

# UNCLASSIFIED

AD NUMBER
AD834353
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Mar 1962. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

AD No. **AD834353**  
**DDC** FILE COPY



6

# CONSOLIDATED TRANSLATION SURVEY

Number 51 .

11 MAR 1962

12401p.

DDC  
RECEIVED  
JUN 26 1968  
3

Prepared by  
Foreign Documents Division  
CENTRAL INTELLIGENCE AGENCY  
2430 E St., N. W., Washington 25, D. C.

141 500

CONSOLIDATED TRANSLATION SURVEY

FOR MARCH 1962

TABLE OF CONTENTS

	<u>Page</u>
Notes Concerning the Survey	c
Request for Copies	d
USSR	
Economic	1
Political	31
Military	35
Geographic	38
Sociological	40
Eastern Europe	
Economic	43
Political	81
Military	84
Geographic	89
Sociological	90
Biographic	96
Northern Europe	
Economic	97
Political	99
Military	102
Near East/Africa	
Economic	103
Political	106
Military	110
Geographic	111
Sociological	112

	<u>Page</u>
<b>Asia</b>	
Economic	115
Political	127
Military	134
Geographic	136
Sociological	136
<b>Western Europe</b>	
Economic	142
Political	145
Military	152
Geographic	153
Sociological	153
<b>Latin America</b>	
Economic	154
Political	155
Sociological	158
<b>Scientific</b>	
Aeronautics	159
Astronomy	166
Biology	170
Chemistry	180
Electricity	198
Electronics	200
Engineering	207
Fuels	242
Geophysics	243
Mathematics	261
Medicine	263
Minerals/Metals	302
Nuclear Physics	311
Physics	318
Space Research	344
Miscellaneous	348
<b>Information on Cover-to-Cover Translations</b>	356
<b>Author Index</b>	360



## CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (\*), and when available, a project-control or "in-process" number is noted in parentheses following the title.

### REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organization.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington DC.

Addresses of producers follow:

ACIC (translations available through Office of Technical Services)

Aeronautical Chart and Information Center  
United States Air Force  
Washington 25, DC

ACSI

Department of Army  
Assistant Chief of Staff, Intelligence  
Intelligence Documents Branch  
Washington 25, DC

Requests from non government sources for  
Army documents should be ordered through:

Dept of Commerce  
Office of Technical Services  
Washington 25, DC

ACSIL

Admiralty Center for Scientific Information and Liasion  
Queen Anne's Mansions  
St James Park  
London, SW 1, England

AEC - Atomic Energy Commission (see Department of Commerce)

AERE Harwell

The Librarian  
AERE, Ministry of Supply  
Harwell, Didcot, Birks  
England

AF

Department of Air Force  
Collection and Dissemination  
Assistant Chief of Staff, Intelligence  
ATTN: AFCIN 1B3  
Washington 25, DC

AFCRL Res Lib

Air Force Cambridge Research Laboratories  
Research Library, Office of Aerospace Research  
United States Air Force  
Laurence G. Hanscom Field  
Bedford, Massachusetts  
ATTN: CRXLR

AGI

American Geological Institute  
2101 Constitution Avenue, NW  
Washington 25, DC

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington 5, DC

AIBS

American Institute of Biological Sciences  
2000 P Street, NW  
Washington 6, DC

AIEE

American Institute of Electrical Engineers  
Special Subscription Department  
41 East 23th Street  
New York 16, New York

AIP

American Institute of Physics  
335 East 45th Street  
New York 17, New York

Amer Math Soc

American Mathematical Society  
190 Hope Street  
Providence 6, Rhode Island

Amer Meteorol Soc

American Meteorological Society  
Armed Services Technical Information Agency (ASTIA)  
Arlington Hall Station  
Arlington 12, Virginia

AMS - Army Map Service (see ACSI)

ATS

Associated Technical Services  
PO Box 271  
East Orange, New Jersey

BCIRA

British Cast Iron Research Association  
Bordesley Hall  
Alvechurch, Birmingham  
England

BISI

British Iron and Steel Institute  
4 Grosvenor Gardens  
London, SW 1, England

Bu Cen

Bureau of Census  
Foreign Manpower Research Office  
General Federal Office Building 3  
Suitland, Maryland

BWRA

British Welding Research Association  
Abington Hall, Abington  
Cambridge, England

Cambridge University Press

32 East 57<sup>th</sup> Street  
New York 22, N. Y.

CB

Consultants Bureau, Inc  
227 West 17th Street  
New York 11, New York

Cleaver-Hume Press, Ltd

Cleaver Hume Press, Ltd  
31 Wright's Lane  
London, W 8, England

CSIR

Council for Scientific and Industrial Research  
The Head  
Information Division  
PO Box 395  
Pretoria, Africa

CSIRO

Commonwealth Scientific and Industrial Research Organization  
314 Albert Street  
East Melbourne, C 2, Victoria  
Australia

CTRA

The Coal Tar Research Association  
Oxford Road  
Gomersal, Leeds

CTT

Columbia Technical Translations  
5 Vermont Avenue  
White Plains, New York

Dept of Com

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Dept of Int

Department of Interior  
Library  
Washington 25, DC

Dept of State

Department of State  
Division of Library and Reference Service  
132 State Annex 1  
Washington, DC

Derwent Information Service

Derwent Information Service  
Rochdale House, Theobolds Road  
London WC 1, England

FTD - Foreign Technology Division (see AF)

Gordon and Breach

Gordon and Breach  
Publishers, Inc.  
150 Fifth Avenue  
New York 11, New York

HB

Henry Brutcher Technical Translations  
PO Box 157  
Altadena, California

HO - Hydrographics Office (see Navy)

ID - Intelligence Document (see ACSI)

Interntl Coop Admin

International Cooperation Administration  
Office of Statistics and Reports  
State Annex 1  
Washington 25, DC

ISA

Instrument Society of America  
313 Sixth Avenue  
Pittsburgh 22, Pennsylvania

JPRS

Joint Publications Research Service  
For non-scientific reports:

For scientific-technical reports:

Photoduplication Service  
Library of Congress  
Washington 25, DC

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Liveright Publishing Corp.

386 Park Avenue, South  
New York 16, New York

MEB

Mark E. Burgunker  
541 West 113th Street  
New York 25, New York

Min of Aviat

Ministry of Aviation (TIL)  
Leysdown Road, Mottingham  
London, S. E. 9 England

MIT, Libraries

Massachusetts Institute of Technology Libraries,  
Cambridge, Massachusetts

Navy

Department of Navy  
Office of Naval Intelligence  
Washington 25, DC

NIH

Department of Health, Education, and Welfare  
National Institutes of Health  
Librarian  
Bethesda 14, Maryland

NIOT

National Institute of Oceanology Translation  
Wormley, Godalming, Surrey  
England

NLL

National Lending Library  
for Science and Technology  
Boston Spa, Yorkshire, England

NRL - Naval Research Laboratory (see Navy)

ONI - Office of Naval Intelligence (see Navy)

OT - Order from Cambridge University, Cambridge, England

OTS - Office of Technical Services (see Dept of Commerce)

Pat Off

Patent Office  
Scientific Library  
14th and Constitution Avenue, NW  
Washington, DC

PERA

The Information Manager  
Production Engineering Research Association  
Melton Mowbray  
Leicestershire, England

Planet & Spac Sci - Planetary and Space Science - (see PP)

PP

Pergamon Press  
122 East 55th Street  
New York 22, New York

PS

Primary Sources  
11 Bleecker Street  
New York 12, New York



RAE (See TIL, Ministry of Aviation)

Royer and Roger, Inc

Royer and Roger, Inc  
1000 Vermont Avenue, NW  
Washington 5, DC

RRG

Review of Russian Geology  
Box 6665, College Station  
Duke University  
Durham, North Carolina

Science Editions

John Wiley & Sons Inc.  
440 Park South  
New York 16, N.Y.

Simon & Schuster

630 Fifth Avenue  
New York 20, N. Y.

Thornton Res Centre

The Thornton Research Centre  
OPD Dept 12, Finsbury Circus  
London, EC 2, England

TIL - Technical Information Library

Ministry of Aviation  
TIL 1 (b)  
Leysdown Road  
Mottingham  
London SE 9, England

TILS - Technical Information and Library Service  
(see Min of Aviat)

UK AEA

United Kingdom Atomic Energy Authority  
Development and Engineering Group  
Risley, Warrington, Lancs, England

USDA

Department of Agriculture  
Foreign Agricultural Service  
Room 5609  
14th and Independence Avenue, NW  
Washington 25, DC

319th MI Bn - 319th Military Intelligence Battalion  
(see ACSI)

500th INTC Gp, SIRA - 500th Intelligence Corps Group, SIRA  
(see ACSI)

525th MI Gp - 525th Military Intelligence Group (see ACSI)

P R O J E C T S   R E P O R T E D  
F O R   M A R C H   1 9 6 2

USSR

Economic

Steel Industry, 9 pp.  
RUSSIAN, rpt, 10-13 Oct 1961. 9672467 500th INTC Gp 105123

Winter Use of Wheeled and Tracked  
Vehicles, by V. G. Karpenko, 204 pp.  
RUSSIAN, bk, Aimnyaya Ekspluatatsiya  
Kolesnykh i Gusenichnykh Mashin, 1958,  
255 pp. ACSI H-7497  
ID 2140820

Analysis of the Economic Activity of  
Communication Enterprises, by  
S. A. Malkin, (SF-2187).  
RUSSIAN, bk, Analiz Khozyaystvennoy  
Deystel'nosti Predprivatny Svyazi,  
1961, 107 pp. \*JPRS

Boksitogorsk, by S. V. Kislovskoy, 49 pp.  
RUSSIAN, bk, Boksitogorsk, 1960, pp 1-134. JPRS 12506

Dzhambul'skaya Oblast, by M. I. Semenova,  
(NY-7009)  
RUSSIAN, bk, Dzhambul'skaya Oblast, 1961,  
pp 97-117, 126-133, 167-175, 185-210. \*JPRS

Economic Effectiveness of New Technical  
Equipment in the Textile Industry of the  
Ukrainian SSR, by I. I. Rizhkov,  
M. T. Dubosars'ka, 35 pp.  
RUSSIAN, bk, Ekonomichna Efektivnist'  
Novoy Tekhniki v Tekstil'niy  
Promislovost' URSR, 1959, pp 19-45. JPRS 12415

Economics of Material-Technical Supply,  
by E. Yu. Lokshin, (DC-6666).  
RUSSIAN, bk, Ekonomika Material'no-  
Tekhnicheskogo Snabzheniya, 1960,  
512 pp. \*JPRS

USSR  
Economic (Contd)

The Industry of the Estonian SSR, by  
M. I. Rostovtsev, V. Yu. Tarmisto,  
161 pp.

RUSSIAN, bk, Estoniskaya SSR - Ekonomiko -  
Geograficheskaya Kharakteristika, 1957,  
pp 203-230, 235-266, 286-292, 294-296,  
297, 300-304, 312, 322-332, 334-350.

JPRS 12750

Physical and Geographical Division Into  
Rayons, by N. I. Mikhaylov, (DC-6696).  
RUSSIAN, bk, Fiziko-Geograficheskoye  
Rayonirovaniye, 1960, pp 16, 17.

\*JPRS

A Geographic Study of Rural Settlement;  
Chapter 4, Materials for Studying  
Modern Rural Settlement in the USSR,  
by S. A. Kovalev, (SF-2201).  
RUSSIAN, bk, Geograficheskoye Izucheniye  
Sel'skogo Rasseleniya, 1960, pp 3-5,  
243-281.

\*JPRS

Geography of USSR Heavy Industry, by  
P. N. Stepanov, (DC-6713).  
RUSSIAN, bk, Geografiya Tyazheloy  
Promyshlennosti SSSR, 1961, pp 1-152.

\*JPRS

Industry of the Karelian SSR, by  
A. A. Grigor'yev, A. V. Ivanov, 29 pp.  
RUSSIAN, bk, Karel'skaya ASSR, 1956.

JPRS 12537

Khar'kov Plastics, by A. Polovinchenko,  
40 pp.  
RUSSIAN, bk, Khar'kovskiye Plastmassy,  
1959, pp 3-54.

JPRS 12868

Kirovsk, (Rayons and Cities of  
Murmanskaya Oblast'). by V. Mikheyev,  
V. Smirnov, 59 pp.  
RUSSIAN, bk, Kirovsk, 1960, pp 3-96.

JPRS 12741

USSR

Economic (Contd)

The Kursk Magnetic Anomaly, the Largest Iron-Ore Source in the USSR, by B. G. Vaynshteyn, (DC-6714).

RUSSIAN, bk, Kurskaya Magnitnaya Anomaliya -- Krupneyshaya Zhelezorudnaya Baza SSSR, 1961, pp 1-108.

\*JPRS

Light and Food Industry of the USSR, 1959-1965, by V. P. Zotov, (SF-2198).

RUSSIAN, bk, Legkaya i Pishchevaya Promyshlennost' SSSR, 1959, pp 1-191.

\*JPRS

Magnitogorsk Metallurgical Combine, by V. I. Kazarinova, V. I. Pavlichenkov, (SF-2197).

RUSSIAN, bk, Magnitogorsk, 1961, pp 125-148.

\*JPRS

Small Hydroelectric Power Plants of the Ukrainian SSR, by Sergei Nikolayevich Kudin, Anatoliy Leonidovich Podgorinov, Leonid Samsonovich Khilobochenko, 132 pp. RUSSIAN, bk, Mali Gidroelektrostantsiyi Ukrayins'koy RSR, 1960, pp 160.

JPRS 12619

Toward New Imposing Tasks, by V. I. Stepanov, N. I. Bobrovnikov, V. F. Zhigalin, 110 pp. RUSSIAN, bk, Moskovskiy Rabochiy, 1961, pp 2-160.

JPRS 12601

Novokuybyshevsk, Civil and Residential Construction, by A. I. Tselikov, A. P. Slobodyanik, (NY-7008). RUSSIAN, bk, Nokuybyshevsk, Zhilishchno-Grazhdanskoye Stroitel'stvo, 1961, pp 5-11.

\*JPRS

Places of Historical Interest in Moskovskaya Oblast, by K. A. Konovalova, (DC-6715).

RUSSIAN, bk, Pamyatnyye Mesta Moskovskoy Oblasti, 1960, pp 1-735.

\*JPRS

USSR  
Economic (Contd)

Prospects of the Oil and Gas Industry  
of the Komi ASSR, by A. Ya. Krems,  
(NY-7007).

RUSSIAN, bk, Perspektivy Neftyanoy i  
Promyshlennosti Komi ASSR, 1957,  
pp 3-7, 9, 11, 12, 15-32.

\*JPRS

Areas of Expansion and Development of  
the USSR Lumber and Wood Processing  
Industries on a Long-Range Basis, by  
G. M. Benenson, S. A. Obratsov,  
A. S. Bolyatinskaya, 76 pp.

RUSSIAN, bk, Perspektivy Razmeshcheniya  
Lesopil'no-Derevoobrabatyvayushchey  
Promyshlennosti, 1960, pp 74-120.

JPRS 12555

Labor Movement in Capitalist Countries  
(1959-1961), by A. A. Arzumanyan,  
V. V. Lyubimova, K. L. Maydanik, et al,  
(DC-6652).

RUSSIAN, bk, Rabocheye Dvizheniye v  
Kapitalisticheskikh Stranakh, 1961,  
pp 351-372.

\*JPRS

Sigulda, by R. Vetra, (SF-2199).  
RUSSIAN, bk, Sigulda, 1960, pp 10-12.

\*JPRS

Soviet Ferrous Metallurgy, by  
Viktor Borisovich Khlebnikov, 142 pp.  
RUSSIAN, bk, Sovet Chernaya Metallurgiya  
1959-1965, 1960, pp 3-7, 50-243.

JPRS 12474

Reference Book for Forestry, by  
V. A. Kozlovskiy, (NY-6993).  
RUSSIAN, bk, Spravochnik Lesoystroitel'nykh  
1959, pp 90-103.

\*JPRS

Machine Tools With Programmed Control,  
by V. Butusov, (NY-7022).

RUSSIAN, bk, Stanki s Programmnykh  
Upravleniyem, 1960, pp 32-73.

\*JPRS

USSR  
Economic (Contd)

Tallinn, by Uno Kammal, Vello Tarmisto,  
(NY-7017).

RUSSIAN, bk, Tallin, 1960, pp 1-80.

\*JPRS

Central Black-Earth Region, by

K. V. Dolgoplov, (NY-7006).

RUSSIAN, bk, Tsentral'no-Chernozemnyy  
Rayon, 1961, pp 108-140, 178-202, 204-206,  
211-215, 224, 227, 234-240, 244-252, 257-261,  
267-276, 281-287, 294-297, 305-306, 309-313,  
324-331, 333-340, 342-343, 345-347, 349-353,  
357-365, 368-369, 376-377, 384-388, 391-392.

\*JPRS

A Tourist Trip Around Estonia, by E. Brik,  
(SF-2200).

RUSSIAN, bk, Turistskiye Pokhody po Estonii,  
1960, pp 23-40.

\*JPRS

Industrialization in the Turkmen SSR, by  
Z. G. Freykin, (NY-7016).

RUSSIAN, bk, Turkmenskaya SSR, 1957,  
pp 173-195, 253-262, 272-276, 282-294,  
317-345, 371-377, 381-396, 406-422,  
435-441.

\*JPRS

Turkmen SSR, by B. Obezov, (SF-2195).

RUSSIAN, bk, Turkmenskaya SSR, 1960,  
pp 12-33, 38-45.

\*JPRS

Ukrainian SSR, Part II, Economic  
Administrative Regions, by A. S. Koroyed,  
G. L. Gradov, 169 pp.

RUSSIAN, bk, Ukrainskaya SSR, Chast'  
Vtoraya, Ekonomicheskiye Administrativnyye  
Rayony, 1958, pp 1-17, 21-104, 128-137,  
141, 162, 168-177, 179-190, 195, 198-207,  
210-219, 224-242, 244-248, 250-260,  
263-314.

JPRS 12475

USSR  
Economic (Contd)

The Industry of Vladivostok, by  
D. P. Belykh, (DC-6709).  
RUSSIAN, bk, Vladivostok, 1960, pp 3-12,  
87-271.

\*JPRS

Historical and Economic Data on Vologda  
Oblast, by V. A. Mineyev, V. M. Malkov,  
10 pp.  
RUSSIAN, bk, Vologodskaya Oblast, 1958,  
pp 223-226, 259-264, 289-294.

JPRS 12738

Metallurgy, an Important Link, by  
A. Ryasnoy, 7 pp.  
RUSSIAN, np, Agitator, No 24, Dec 1961,  
pp 10-13.

JPRS 12818

USSR Drug Economy During 1959-1960, by  
A. M. Stetsyuk, 5 pp.  
RUSSIAN, per, Aptechnoye Delo, Vol X,  
No 3, May-June 1961, pp 3-7.

JPRS 12742

Drug Business by the 40th Anniversary  
of Soviet Power in Georgia, by  
O. A. Nishniyanidze, I. S. Tabagari,  
4 pp.  
RUSSIAN, per, Aptechnoye Delo, Vol X,  
No 3, May-June 1961, pp 9-13.

JPRS 12742

Transistorization of Railway Communica-  
tions Equipment, by I. Z. Skrypin, 7 pp.  
RUSSIAN, per, Avtomatika, Telemekhanika,  
i Svyazi, No 11, 1961, pp 19-21.

JPRS 12775

Soviet Report on US Railroad Signaling  
and Communications, by B. S. Ryazantsev,  
61 pp.  
RUSSIAN, per, Avtomatika, Telemekhanika i  
Svyazi, Nos 11/12, pp 42-47; 37-43.

JPRS 12761



USSR  
Economic (Contd)

Selected Articles From Russian Periodical  
"Avtomobil'nyye Dorogi".

- No 10, 1960, pp 1-3. JPRS 12481  
Greater Possibilities for Improving  
Road Network of the Russian Federation,  
by A. A. Nikolayev, 9 pp.
- No 11, 1960, pp 2, 3. JPRS 12895  
To Intensify Efforts for the Timely  
Completion of the Highway Seven Year  
Plan, by F. V. Kalabukhov, 8 pp.
- No 3, 1961, pp 7, 8. JPRS 12413  
Reducing the Cost of Road Work, by  
G. I. Ponomarenko, P. A. Nemirovskiy,  
6 pp.
- No 9, 1961, pp 2-4. JPRS 12643  
Raise the Technical Level of Repair  
and Maintenance of Roads of Republic  
and Local Importance, by  
V. A. Stankevich, 7 pp.
- No 10, 1961, pp 19, 20. JPRS 12644  
Decrease in Overhead Expenses--A Means  
Toward Reducing Construction Costs, by  
V. I. Rybinkov, 5 pp.
- Major Overhaul of Mass-Produced Vehicles  
by the Pool Method, by T. Grozovskiy,  
4 pp.  
RUSSIAN, per, Avtomobil'nyy Transport,  
No 5, 1960, pp 24, 25. ACSI I-0904  
ID 2191522
- A New Stage in the Development of Motor  
Transport, by I. Verkhovskiy, 8 pp.  
RUSSIAN, per, Avtomobil'nyy Transport,  
No 11, 1961, pp 3-5. JPRS 12701
- The Comprehensive Development of the  
Offshore Petroleum Deposits in the  
Azerbaydzhan SSR, 3 pp.  
RUSSIAN, per, Azerbaydzhanskoye Neft  
Khoz, Vol V, 1961, pp 1, 2. JPRS 12892

USSR

Economics (Contd)

Recent Strike History in Pakistan  
(Working Pakistan Struggles On), by  
T. Ruziyev, 5 pp.  
RUSSIAN, per, Aziya i Afrika Segodnya,  
No 8, 1961, pp 14, 15.

JPRS 12978

About Trade Unions in Lebanon, by  
V. Rumyantsev, 4 pp.  
RUSSIAN, per, Aziya i Afrika Segodnya,  
No 11, 1961, pp 22, 23.

JPRS 12983

Selected Articles From Russian Periodical  
Bezopasnost' Truda v Promyshlennosti,  
No 12, 1961.

JPRS 12893

Safety Problems in Planning Chemical  
Plants, by B. L. Kaner, 3 pp, (pp 1, 2).

Safety Problems in the Production of  
Acetylene From Natural Gas, by  
I. S. Rosen, 6 pp, (pp 18, 19).

Safety Explosives Used in Coal Mines  
in Rumania, 3 pp, (p 36).

All-Union Conference on the Use of  
Radioactive Isotopes, in the Coal  
and Ore Mining Industries, by  
G. I. Kapelyushnikov, 4 pp, (pp 38, 39).

The Centralization of Metalworking Equip-  
ment Repair, by K. Kuznetsova, A. Frolov,  
8 pp.  
RUSSIAN, per, Byul Nauch Informatsii,  
Trud i Zarabotnaya Plata, No 10, 1961,  
pp 3-8.

JPRS 12447

Automation and Mechanization of Agri-  
cultural Machine Building, by  
B. S. Bayburov, 11 pp.  
RUSSIAN, per, Byul Tekh Ekon Informatsii,  
No 10, 1961, pp 62-67.

JPRS 12532

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Ekonomika.

25 Sep 1961. JPRS 12489  
An Economic Survey of Railroad  
Transport, 5 pp.

Oct 1961. JPRS 12802  
Consumption Norms for Manufacturing  
Goods, by V. Sinyutin, 4 pp, (p 17).

Study Consumer Demand, by P. Maslov,  
7 pp, (pp 18, 19).

No 11, 16 Oct 1961. JPRS 12836  
The Science of Economics Must Become  
an Exact Science, by V. Nemchinov,  
6 pp, (pp 18-20).

Greater Conformity Between Economic  
Requirements and Organization, by  
A. Pashkov, 5 pp, (pp 20, 21).

Developing the Balance Sheet Method,  
by G. Kosyachenko, 4 pp, (pp 22).

Drawing Creatively General Conclusions  
From New Phenomena, by L. Vaag, 5 pp,  
(p 28).

New Conditions -- New Problems, by  
Sh. Turetskiy, 4 pp, (p 29).

Economic Science and Mathematics, by  
A. Berg, 5 pp, (p 31).

23 Oct 1961. JPRS 12681  
Early Mastery of Rated Capacity at the  
Stalinogorsk Chemical Combine, by  
S. Sadovskiy, 5 pp.

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Ekon Gazeta. (Contd)

30 Oct 1961.

Soligorsk Potassium Combine, by  
Ya. Glezer, 5 pp, (p 35).

JPRS 12681

Technology of Leningrad Kirov Tractor  
Plant, by I. Isayev, 4 pp, (p 79).

JPRS 12532

13 Nov 1961, p 17.

Prospects for the Development of the  
Bearing Industry in the USSR, by  
A. Sprishevskiy, 7 pp.

JPRS 12447

No 17, 27 Nov 1961, pp 13, 14.

Expedite Progress in the Cement  
Industry, by A. Yevdokimenko, 5 pp.

JPRS 12673

No 19, 11 Dec 1961, p 13.

New Cementless Building Materials,  
by I. Gvozdev, 5 pp.

JPRS 12673

No 20, 18 Dec 1961.

Coordination of Scientific Research --  
A State Task, by K. Rudnev, 26 pp.

JPRS 12635

Suggestions, Comments, and Replies  
Concerning the Development of the  
Cement Industry, 4 pp, (pp 19-23).

JPRS 12673

Technical Progress in the Cement  
Industry, 7 pp, (pp 19-23).

JPRS 12673

More Information on Oxygen Converters,  
by K. Chirkov. (DC-6708), (p 33).

\*JPRS

1 Jan 1962.

The Scientific Basis of Metallurgy,  
by Yu. Grdina, 6 pp, (pp 11, 12).

JPRS 13018

15 Jan 1962.

Establish More Quickly the New Ore  
Base for the Metallurgy of the Urals,  
by P. Kazakov, 8 pp.

JPRS 13018

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Ekon Gazeta. (Contd)

No 4 (25), 22 Jan 1962, pp 18-20.  
(DC-6694).

\*JPRS

The Close Connection Between Science  
and Practice, by K. Plotnikov.

Potential Sources of Reduced Production  
Cost of Iron and Steel at Enterprises  
of the Stalinskiy Sovnarkhoz, 11 pp.  
RUSSIAN, per, Ekon Sovetskoy Ukrain,  
No 5, Sep/Oct 1961, pp 99-102.

JPRS 12429

Selected Articles From the Russian  
Periodical Finansy SSSR.

No 2, 1961, (pp 29-34).  
Better Utilization of Resources  
Allocated for Road Work, by  
A. Birkin, 8 pp.

JPRS 12896

No 8, 1961, pp 35-69.  
Strict Control of the Construction  
of Mineral-Fertilizer Plants, by  
A. Poperechnyy, Ye. Korobkova, 9 pp.

JPRS 12681

No 12, 1961, pp 16-26. (DC-6691).  
Soviet Internal Petroleum Prices,  
by G. Kochyachenko.

\*JPRS

Better Economy Needed in Civil Air  
Fleet, by G. Schetchikov, 4 pp.  
RUSSIAN, per, Grazhdanskaya Aviatsiya,  
No 9, Sep 61, pp 2, 3.

JPRS 12489

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Gudok.

28 Sep 1961. Transport and the Broad Development of Large Economic Regions, by N. Kazanskiy, 4 pp.	JPRS 12489
5 Oct 1961. Transport Connections in Kazakhstan, by I. Zadorozhnyy, 4 pp.	JPRS 12684
11 Oct 1961. The Electrification of the Moscow-- Bayakal Railroad Lines is Completed, by P. Huratov, 7 pp.	JPRS 12684
12 Oct 1961. The Transport Arteries of the North Urals, by V. Yegorov, 4 pp.	JPRS 12684
14 Nov 1961. Railroad Expansion in the Votkinsk Area, by L. Georgiyev, 3 pp.	JPRS 12684

Selected Articles From the Russian  
Newspaper Izvestiya.

18 Nov 1961. Delays in Building a New Synthetic Rubber Plant, by N. Koshelev, 5 pp.	JPRS 12817
28 Dec 1961. Utilize the Potential for Increasing Steel Output, by S. Sharadzenidze, 3 pp.	JPRS 12818
29 Dec 1961. Ore Concentration in the Krivoy Rog Basin, by V. Oleynikov, 4 pp.	JPRS 12818

USSR  
Economic (Contd)

Main Trends in the Development of  
Technology and Production Methods  
of the Textile Industry in the Present  
Seven Year Plan, by P. V. Belyshev,  
7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Tekh Tekstil' Prom, No 1 (14), 1961,  
pp 3-8.

JPRS 12899

Increasing Labor Productivity - the  
Most Important Task of Our Times -  
as Applied to Chemical Machine  
Building, 6 pp.

RUSSIAN, per, Khim Mash, No 6,  
Nov/Dec 1961, pp 1-3.

JPRS 12729

New Compressors From the "Borets"  
Plant, by S. M. Sokolovskiy, 4 pp.

RUSSIAN, per, Khim Mash, No 6,  
Nov/Dec 1961, pp 7-10.

JPRS 12729

Report of a Meeting of Workers of the  
Plastics Industry.

RUSSIAN, per, Khim Prom, No 4, 1959,  
pp 88, 89.

NLL M. 3036

Selected Articles From the Russian  
Periodical Khim i Tekh Topliva i Masel.

No 12, 1959, pp 60-63.

NLL M. 3004

The Role of the Petrochemical  
Industry in Chemical Production  
in the USA, by Z. V. Kir'yanova,  
A. D. Rabinovich.

No 1, 1962, (SF-2193).

\*JPRS

Oil Reprocessing Industry, (pp 1-4).

Oil Reprocessing and Chemical  
Industries, by R. G. Ismailov,  
(pp 4-8).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Kommunist.

No 15, Oct 1961, pp 81, 82. Establishing the Country's Fourth Metallurgical Base, by S. Kolmakov, 3 pp.	JPRS 13018
16 Nov 1961. The Yerevan' Synthetic Rubber Plant and Its Prospects, by N. Babayan, 3 pp.	JPRS 12817
No 1, 1962, pp 3-10. Fundamental Questions in the Development of Agriculture, 12 pp.	JPRS 12844
Problems in the Application of Plastics, by N. Kozlov, 4 pp. RUSSIAN, np, <u>Leningradskaya Pravda</u> , 30 Nov 1961.	JPRS 12817
Shortcomings in Organizing Series Production at Yegor'yevsk Machine Tool Building Plant, by A. Rybkin, 3 pp. RUSSIAN, np, <u>Leninskoye Znamya</u> , 28 Sep 1961.	JPRS 12746
Shortcomings of Production Equipment, by V. L. Mikhaylov, 6 pp. RUSSIAN, per, <u>Mashinostroitel'</u> , Dec 61, p 33.	JPRS 12532



USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Mekh i Avtomat Proiz.

No 3, 1960, pp 39-44.

JPRS 12476

Mechanization of Transport Operations  
at Enterprises of the Textile Industry,  
by F. S. Kupriyanov, F. F. Martynkin,  
17 pp.

No 8, 1960, pp 4, 5.

JPRS 12475

Greater Attention (Must Be Devoted) To  
Technical Progress in the Textile  
Industry, by V. A. Samarin, 5 pp.

No 9, 1961, pp 15-18.

JPRS 12681

Automation in the Chemical Industry,  
by L. A. Kostandov, 12 pp.

Type Classification of Electrothermic  
Equipment for the Heat Treatment of  
Metals, by M. A. Shevtsov,  
A. P. Al'tgauzen, (DC-6678).  
RUSSIAN, per, Metallov i Term Obra  
Metallov, No 12, 1961, pp 2-13.

\*JPRS

In Institute of World Economics and  
International Relations of Academy  
of Sciences USSR, by K. Popov, (SF-2188).  
RUSSIAN, per, Mirovaya Ekon i Mez  
Otnosheniya, No 3, 1961, pp 151-153.

\*JPRS

Selected Articles From the Russian  
Periodical Morskoy Flot.

JPRS 12489

No 9, 1961, pp 28, 29.

New Dry Freight Motorship, by  
I. Tyutin, 5 pp.

No 10, 1961.

We Will Answer the Party's Call by  
New Labor Successes, by  
V. Bakayev, 13 pp, (pp 1-7).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Morskoy Flot. (Contd)

JPRS 12489

No 10, 1961.  
Baltic Sailors Between Congresses,  
by D. Zotov, 5 pp, (pp 8, 9).

Far East Steamship Company's  
Progressive Collectives, by  
D. Belykh, 6 pp, (pp 10-12).

Northern Sea Route to Become Mass  
Haulage Line, by Ye. Tolstikov,  
7 pp, (pp 13-15).

Science -- Serving Marine Transport,  
by P. Strumpe, 10 pp, (pp 16-19).

Scientific Research and Design in  
the Shore Establishment, by  
D. Shapirovskiy, 8 pp, (pp 20-22).

The Scientific-Technical Society  
of Water Transport, by V. Dubchak,  
7 pp, (pp 23, 24).

Modern Technology for Soviet Ports,  
by K. Kondrat'yev, 3 pp, (pp 25, 26).

Problems of Improving the Technical  
Characteristics of Machinery, by  
A. Vladziyevskiy, 5 pp.  
RUSSIAN, np, Moskovskaya Pravda,  
1 Oct 1961.

JPRS 12746

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Myasnaya Industriya SSSR.

JPRS 12802

No 5, 1961.  
The Seven-Year Plan for the Meat  
Industry, 8 pp, (pp 4-7).

Coordination of Scientific Research  
Work in the Meatpacking Industry,  
by V. Gorbator, 4 pp, (pp 43-45).

No 11, 1961, pp 5-12.  
Consumption and Trade in the Next  
Twenty Years, by R. Lokshin, 10 pp.

Selected Articles From the Russian  
Periodical Narod Khoz Kazakh.

No 5, 1961.  
Production Reserves -- For an Early  
Fulfillment of the Seven Year Plan,  
by K. Simakov, 17 pp, (pp 9-15).

JPRS 12745

Dzhezkazgan Industrial Region and  
the Prospects for Its Development,  
by N. Antomenko, 14 pp, (pp 78-83).

No 6, 1961.  
Great Transformations, 19 pp,  
(pp 3-8).

JPRS 12745

Progress in Kazakhstan in 1959-1960,  
by G. Kozlov, 19 pp, (pp 9-16).

Training of Specialists for the  
Industry of Kazakhstan, by  
Kh. Sarsanov, 11 pp, (pp 28-32).

On Results of Developing the Mostovich  
Method at the Dzhezkazgan Combine,  
by A. Vikhirev, 6 pp, (pp 56-58).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Narod Khoz Kazakh. (Contd)

No 8, 1961.

JPRS 12606

Resources Used in the Expansion of  
Nonferrous Metallurgy in Kazakhstan,  
by S. Khakhlachev, Sh. Aliyev, 3 pp,  
(pp 32, 33).

Accelerating the Construction of an  
Aluminum Plant, by A. Panichev, 7 pp,  
(pp 36-40).

No 10, 1961.

Mineral Raw Materials in the Service  
of the National Economy, by  
Ye. Nemov, 9 pp, (pp 43-48).

JPRS 12606

Problems of the Kazakhstan Capacitor  
Industry, by F. Stolbov, 4 pp,  
(pp 54-56).

JPRS 12775

No 11, 1961.

JPRS 12914

Stone Casting -- Promising Highly  
Economic Material, by V. Churbanov,  
4 pp.

Sovmarkhoz and the Introduction of  
the New Technology, by G. Davydov,  
6 pp.

Selected Articles From the Russian  
Periodical Narod Khoz Uzbek.

No 10, 1961.

Principal Trends of Development of  
the Construction Industry and the  
Building Materials Industry, by  
D. Yun, I. Borovkov, 3 pp, (pp 26-31).

JPRS 12673

Accelerating the Start up of Chemical  
Enterprises in the Uzbek Republic,  
by G. Davydov, 7 pp, (pp 31-35).

JPRS 12730

No 11, 1961, pp 32-39.

JPRS 12730

Problems of the Development of the  
Chemical Industry in the Uzbek  
Republic, by Ya. Aliyev, N. Bazileva,  
11 pp.

USSR  
Economic (Contd)

The State Scientific Research Institute  
of Rare Elements, by I. Ya. Bashilov,  
9 pp.

RUSSIAN, per, Nauchno Issledovatel'skiye  
Instituty Tyazheloy Promyshlennosti,  
1935, pp 459-464.

JPRS 12947

The Utilization of Fuel in Metallurgy,  
by Z. F. Chukhanov, 3 pp.

RUSSIAN, per, Ogonek, No 51, Dec 1961,  
p 17.

JPRS 13018

Selected Articles From the Russian  
Periodical Plan Khoz.

No 1, 1962, pp 38-47, (DC-6651).  
Ways to Improve Material-Technical  
Supply, by P. Furduev, I. Burshteyn.

\*JPRS

No 2, 1962, (DC-6720).  
Ways to Increase the Production of  
Steel to 250 Million Tons per Year,  
by A. Leskov, (pp 17-27).

\*JPRS

Replacement of Metallurgical Reserves,  
by L. Zusman, (pp 28-37).

Why Specialization in the Foundry Industry  
Is Slowed Down, by V. Parfenov, 4 pp.  
RUSSIAN, np, Pravda, 29 Dec 1961.

JPRS 12818

In Support of the Unification of Rail-  
road Transport, by Ya. Krivenko, 3 pp.  
RUSSIAN, np, Pravda Ukrainy, 16 Sep 1961.

JPRS 12489

Automating of Khar'kov Air Conditioner  
Plant, by P. Kucherov, Ye. Grinev,  
M. Panov, 4 pp.  
RUSSIAN, np, Pravda Ukrainy, 4 Dec 1961.

JPRS 12913

Output of Cotton-Picking Machines  
Disrupted by Uzbek Tractor-Assembly  
Plant, 4 pp.  
RUSSIAN, np, Pravda Vostoka, 4 Oct 1961.

JPRS 12532

USSR  
Economic (Contd)

1957 All-Union Industrial Exhibition;  
Exhibits of the "Machine Tool Building"  
Pavilion, (DC-6702).

RUSSIAN, np, From Ekon Gazeta, 12 Jun 1957,  
p 1.

\*JPRS

Selected Articles From the Periodical  
Prom Stroitel, No 9, 1961.

JPRS 12604

The Contributions of Builders of  
Luganskiy Economic Region to the  
Creation of the Material and  
Technical Basis for Communism, by  
N. M. Khudosovtsev, 7 pp, (pp 10-15).

The Contributions of Builders of  
Zaporozhskiy Economic Region to  
the Creation of the Material and  
Technical Basis for Communism, by  
G. I. Ivanovskiy, 12 pp, (pp 15-21).

The Contributions of Builders of  
Sverdlovskiy Economic Region to the  
Creation of the Material and Technical  
Basis for Communism, by  
M. A. Shil'dkrot, 8 pp, (pp 21-24).

The Contributions of Builders of  
Dnepropetrovskiy Economic Region  
to the Creation of the Material  
and Technical Basis for Communism,  
by A. I. Slivinskiy, 5 pp,  
(pp 25-28).

The Contributions of Builders and  
Altayskiy Economic Region to the  
Creation of the Material and  
Technical Basis for Communism,  
by A. Kashuba, 6 pp, (pp 28, 29).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Rechnoy Transport.

JPRS 12489

No 8, 1961.

For Further Rises in the Level of  
Cargo and Commercial Work, by  
G. Mayorskiy, 6 pp, (pp 8, 9).

Improving Transport Exploitation  
and Operations on Minor Rivers, by  
A. Barakin, 5 pp, (pp 12, 13).

Development of Haulage on the  
Ukraine's Minor Rivers, by I. Kotik,  
3 pp, (pp 13, 14).

No 9, 1961, p 48.

In the Collegium of the Ministry of  
the River Fleet, 3 pp.

Selected Articles From the Russian  
Periodical Rybnoye Khoz.

JPRS 12489

No 7, 1961.

Floating Fish-Cannery Plant "Andrey  
Zakharov," by S. S. Vershinin,  
5 pp, (pp 17-22).

No 8, 1961.

Refrigerator Ship "Bratsk", by  
S. Ya. Mekenitskiy. 6 pp, (pp 28-32).

New Refrigerator Vessel, by  
S. S. Vershinin, 5 pp, (pp 33-38).

The Northwestern Main Design Bureau of  
Agricultural Machines, by V. Ye. Shtrom,  
8 pp.

RUSSIAN, per, Sel'skoye Khoz Severo-  
Zapadnoy Zony, No 10, 1961, pp 69-72.

JPRS 12532

USSR  
Economic (Contd)

Chemical Industry in Belorussia, by  
A. Tikhonov, 7 pp.  
RUSSIAN, np, Sovet Belorussiya,  
22 Nov 1961. JPRS 12817

Production and Technology of "Rigasel'mash"  
Plant, by N. Borak, 4 pp.  
RUSSIAN, np, Sovet Latviya, 19 Sept 1961. JPRS 12532

Lagging Construction of the Kedaynyay  
Chemical Combine, by V. Naumenko, 3 pp.  
RUSSIAN, np, Sovet Litva, 13 Oct 1961. JPRS 12681

Problems in the Procurement of Automated  
Production Lines for the First State  
Bearing Plant, by A. Derbisher, 6 pp.  
RUSSIAN, np, Sovet Rossiya, 26 Aug 1961. JPRS 12746

Selected Articles From the Russian  
Periodical Sovet Torgovlya, No 11, 1961. JPRS 12802

Rational Consumption Norms, by  
B. Smirnov, 6 pp, (pp 13-16).

Improve Work on Prices, by A. Odintsova,  
6 pp, (pp 17-21).

The Differentiated Balance as the  
Basis for Planning the Structure  
of Commodity Turnover, by  
N. Rimashevskaya, 7 pp, (pp 21-25).

Establishment of Uniform Requirements  
for High Manganese Steel G131, by  
Ya. D. Khorin, 10 pp.  
RUSSIAN, per, Standartizatsiya,  
Oct 1961, pp 17-19. JPRS 12429

New Categories of Ferrous Metallurgy  
Products, by A. D. Smolyarenko,  
A. S. Kaplan, 17 pp.  
RUSSIAN, per, Standartizatsiya, Oct 1961,  
pp 46-51. JPRS 12429



USSR  
Economic (Contd)

Conference on the Problems of Reliability  
and Durability of Machinery, Moscow,  
20 Dec 1960, by K. P. Chudakov, 4 pp.  
RUSSIAN, per, Stroitel i Dorozhnyye  
Mashiny, Mar 1961, pp 37, 38.

JPRS 12604

Selected Articles From the Russian  
Newspaper Stroitel Gazeta.

27 Oct 1961.

JPRS 12817

The Construction of Chemical Plants  
in Armenia, by I. Svirin, 4 pp.

3 Nov 1961.

JPRS 12681

New-Design Chemical Plant, by  
Ye. Illenko, 6 pp.

20 Dec 1961.

JPRS 12673

Produce More Cement, 3 pp.

A Vigorous Construction Industry for  
Tselinnyy Kray, by G. A. Shirayev,  
8 pp.

RUSSIAN, per, Stroitel' Materialy,  
No 11, 1961, pp 6-9.

JPRS 12673

Selected Articles From the Russian  
Periodical Sudostroyeniye.

No 1, 1961, pp 77-79.

JPRS 12927

Activity of the Scientific and  
Technical Society of the Ship-  
building Industry, 7 pp.

No 2, 1961, pp 72-82.

JPRS 12927

Activity of the Scientific and  
Technical Society of the Ship-  
building Industry, 9 pp.

No 3, 1961, pp 73-75.

JPRS 12927

Activity of the Scientific and  
Technical Society of the Ship-  
building Industry, 9 pp.

USSR

Economic (Contd)

Selected Articles From the Russian  
Periodical Sudostroyeniye. (Contd)

No 4, 1961, pp 80-83.

JPRS 12927

Activity of the Scientific and  
Technical Society of the Shipbuilding  
Industry, 11 pp.

No 5, 1961, pp 71-75.

JPRS 12927

Activity of the Scientific and  
Technical Society of the Shipbuilding  
Industry, 14 pp.

No 6, 1961.

JPRS 12927

Scientific and Technical Conference  
on Combined Internal Combustion  
Engines, by I. A. Zaytsev, 5 pp,  
(pp 80-82).

Activity of the Scientific and  
Technical Society of the Shipbuilding  
Industry, 4 pp, (p 83).

No 7, 1961.

Tourist Vessels for the Danube, by  
A. V. Makarov, G. I. Maksimov, 12 pp,  
(pp 1-3).

JPRS 12489

Ship to Haul Bananas, by V. P. Gadimovich,  
3 pp, (pp 7-10).

JPRS 12489

Activity of the Scientific and  
Technical Society of the Shipbuilding  
Industry, 4 pp, (p 79).

JPRS 12927

No 8, 1961.

JPRS 12927

An Industry-Wide Conference on the  
Exchange of Scientific and Technical  
Experience in Shipbuilding, 5 pp, (pp 74-.)

Activity of the Scientific and Technical  
Society of the Shipbuilding Industry,  
23 pp, (pp 75-82).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Sudostroyeniye. (Contd)

No 9, 1961.

Fish-Canning Floating Plant-Base  
"Andrey Zakharov" by  
V. Ya. Yanovskiy, V. A. Zavarin,  
11 pp, (pp 1-4, 6-8, 10).

JPRS 12489

Fish Cannery Plant-Base "Andrey  
Zakharov" Makes Leningrad-  
Vladivostok Voyage, by  
V. Ya. Yanovskiy, 6 pp, (pp 10-12).

JPRS 12489

The New Ships of the Seven-Year  
Plan, 6 pp, (pp 74-76).

JPRS 12972

Conference on Operational Experience  
With New Ships, 4 pp, (pp 75, 76).

JPRS 12489

Activity of the Scientific and  
Technical Society of the Ship-  
building Industry, 5 pp, (pp 76, 77).

JPRS 12927

Conference on the Mechanization of  
Shipbuilding and Ship Repairs, 6 pp,  
(pp 82-84).

JPRS 12927

No 10, 1961.

JPRS 12600

Creative Activity of the Scientists  
of the Leningrad Shipbuilding  
Institute, by A. A. Moiseyev, 3 pp,  
(pp 3, 4).

Work of the Scientific-Technical  
Society of the Shipbuilding Industry,  
6 pp, (pp 76-78).

Soviet Land Reclamation Machines, 3 pp.  
RUSSIAN, per, Tekhnika v Sel'skom  
Khozyaystve, No 8, 1961, pp 44-46.

JPRS 12532

USSR  
Economic (Contd)

Soviet Agricultural Equipment at the  
Exhibition of Achievements of USSR  
National Economy, by S. Shalygiv, 6 pp.  
RUSSIAN, per, Tekh v Sel'skom Khoz,  
No 8, 1961, pp 60-63.

JPRS 12532

Selected Articles From the Russian  
Periodical Tekstil Prom.

No 6, 1959, pp 1-4, (DC-6693).  
Full Use of New System of Government.

\*JPRS

No 4, 1960, pp 9-12, (DC-6692).  
Principles for Reforming the Wages  
of Engineering and Technical Personnel  
and Employees, by N. I. Senchenkova.

\*JPRS

No 11, 1960, pp 1-3, (SF-2191).  
A Very Important Condition for the  
Further Development of the Textile  
and Knit Wear Industry.

\*JPRS

No 12, 1960, (DC-6695).  
We Will Transform the Resolutions of  
the 22d Session of the CPSU Into  
Life, (pp 1-4).

\*JPRS

New Norms for Amortizing the Fixed  
Assets of the Textile Industry, by  
V. V. Fedorov, (pp 5-8).

No 6, 1961, pp 8-14, (SF-2192).  
Scientific Research in the Silk  
Industry and Methods of Servicing  
Automatic Looms at the Plant imeni  
Frunze, by S. A. Pavlov, L. Ya. Chertkov.

\*JPRS

No 7, 1961, pp 2-4, (SF-2190).  
More New Machines for the Textile  
Industry.

\*JPRS

USSR  
Economic (Contd)

USSR Peat Industry. (DC-6684)  
RUSSIAN, per, Torf Prom, 1958-1961.

\*JPRS

Expanded Chemical Industry for the  
Kuban' Area, by N. Baybakov, 4 pp.  
RUSSIAN, np, Trud, 12 Oct 1961.

JPRS 12681

The Need to Change the Current Prices  
of Cement, by A. I. Lyusov, 7 pp.  
RUSSIAN, per, Tsement, No 6, Nov/Dec 1961,  
pp 17-19.

JPRS 12673

The Economic Assessment of Coal Losses,  
by A. V. Vol'keyanu, P. Z. Zviyagin.  
RUSSIAN, per, Ugol', 1957, No 6, pp 8-13.

NLL M. 3269

Use of Radioactive Rays in the Production  
of Steel, 5 pp.  
RUSSIAN, np, Vechernaya Moskva,  
18 Sep 1961.

JPRS 12429

Civil Air in the USSR.  
RUSSIAN, per, Vedomosti Verkhovnogo  
Soveta SSSR, No 52 (1087), 29 Dec 1961,  
25 pp.

AF 1490869

The Wage Level of Sovkhoz Workers and  
the Factors of Its Growth, by  
V. M. Rabinovich, 31 pp.  
RUSSIAN, per, Vest Mosk Univ, No 2,  
1957, pp 3-20.

JPRS 13026

The Ukrainian Academy of Agricultural  
Sciences at the Period Between Two  
Congresses of the CPSU, by  
P. A. Vlasyuk, 10 pp.  
RUSSIAN, per, Vest Sel'skokhoz Nauk,  
Vol VI, No 10, 1961, pp 9-17.

JPRS 12887

USSR  
Economic (Contd)

Selected Articles From the Russian  
Newspaper Vodnyy Transport.

27 May 1961. To Raise Efficiency of Technical Fleet Operation, by A. Videtskiy, 4 pp.	JPRS 12684
5 Sep 1961. Yenisey River -- Past and Present, by I. Nazarov, 4 pp.	JPRS 12684
14 Sep 1961. Against Frills in Shipbuilding, by N. Lyubavin, M. Santsevich, 3 pp.	JPRS 12489
23 Sep 1961. Boom in Yakutiya, by A. Lelikov, 4 pp.	JPRS 12489
3 Oct 1961. Transformation of Arctic Navigation, by P. Gordiyenko, 4 pp.	JPRS 12684

Emergency Water Reserve for Fire  
Fighting Purposes.  
RUSSIAN, per, Vodosnabzheniye i San  
Tekh, No 12, 1959, p 34.

NLL M. 2986

Selected Articles From the Russian  
Periodical Voprosy Ekon.

No 1, 1961, pp 154-156. The Leningrad Finance Economics Institute, by N. Sudderevskiy, 4 pp.	JPRS 12539
No 7, 1961, pp 152-158. Coordination of Research on Economic Problems, by N. Linkun, A. Sokolovskiy, 29 pp.	JPRS 12437
No 9, 1961, pp 18-22. Automation and Technical Progress, by K. Klimenko, 8 pp.	JPRS 12746

USSR  
Economic (Contd)

Developments at Transcaucasus Metallurgical Plant imeni I. V. Stalin, by C. Sharadzenidze, 8 pp.  
RUSSIAN, np, Zarya Vostoka, 15 Sep 1961.

JPRS 12429

Selected Articles From the Russian Periodical Zheleznodorzhnyy Transport.

JPRS 12489

No 8, 1961, pp 8-13.

Improving the Utilization of Locomotives on Extended Operating Sections, by P. G. Muratov, 11 pp.

No 9, 1961.

Ways of Improving Trunk-Line Electric Locomotives, by A. L. Kurochka, 10 pp, (pp 14-19).

Broad Use of Six-Axle Gondola Cars, by N. A. Mordvinkin, 12 pp, (pp 43-48).

No 10, 1961, pp 3-11.

The Steady Progress of Railroad Transport, by F. P. Mulyukin, 19 pp.

Recent Development of Fishery in the Soviet Far East, 4 pp.  
JAPANESE, rpt, Aug 1961, Encl to 0213/62. 9664277

500th INTC Gp

Soviet Technical Development in Iron and Steel Industry From 1959-1965, 17 pp.  
JAPANESE, per, Nikkan Kogyo Shimbun, 1962, pp 16-24.

500th INTC Gp  
Tr No 105734

Present and Future of the Soviet Petroleum Offensive as Viewed From Its Reserves, by Hayakawa Tetsuo, 3 pp.  
JAPANESE, per, Tairiku Mondai, 11 Oct 1961, Rpt No 1064/61. 9672499

500th INTC Gp  
Tr No 104776

USSR  
Economic (Contd)

Tukums, (DC-6712).  
LATVIAN, bk, Tukums, Turistu Celvedis,  
1959, pp 3, 32-35, 86, 87, 105, 108.

\*JPRS

Chernovitskaya Oblast, by V. V. Onykiyenko,  
(NY-7015).  
UKRAINIAN, bk, Chernivets'ka Oblast',  
1960, pp 54-56, 77-79.

\*JPRS

Poltavskaya Oblast, by M. F. Kolomiyets',  
(DC-6711).  
UKRAINIAN, bk, Poltavs'ka Oblast', 1959,  
pp 31-37, 74-86.

\*JPRS

Industry of Poltavskaya Oblast, by  
O. M. Iaponchov, O. D. Kachanov,  
(SF-2196).  
UKRAINIAN, bk, Poltavs'ka Oblast',  
1959, pp 80-87.

\*JPRS



USSR  
Political

The Soviet Electoral System, by  
A. Gorshenev, I. Chelyapov, 104 pp.  
RUSSIAN, pamphlet, Sovetskaya  
Izbitatel'naya Sistema, 1959, pp 1-64.

JPRS 12931

Selected Articles From the Russian  
Newspaper Izvestiya.

4 Feb 1962, p 4.  
Soviet Report on West Berlin: Illusion  
and Reality, by N. Polyakov, 4 pp.

JPRS 12942

11 Feb 1962, (DC-6659).  
Whose Intentions Are Not Clear, by  
N. Polyakov.

\*JPRS

14 Feb 1962, (DC-6659).  
Fraternal Union.

\*JPRS

Selected Articles From the Russian  
Periodical Kommunist.

No 16, 1961.  
Towards New Victories of Communist,  
19 pp, (pp 117-129).

JPRS 12142

Two Contrasting Systems: Soviet  
Democracy and Bourgeois Dictatorship,  
by Maurice Thorez, 5 pp, (pp 137-141).

No 17, Nov 1961, (SF-1875).  
The Scientific Bases for the Building  
of the Economy of Communism, by  
L. Gatovskiy, (pp 10-23).

\*JPRS

The "Capital" of K. Marx and Modern  
Capitalism, by Ye. Varga, (pp 24-37).

Concerning the International and  
National in Art, by A. Yegorov,  
(pp 61-72).

The Problem of the Economic Training  
of Cadres, by O. Kozlova, (pp 83-90).

USSR  
Political (Contd)

Selected Articles From the Russian  
Periodical Kommunist. (Contd)

No 18, Dec 1961.

JPRS 12527

The Creative Development of Marxism-Leninism and the Construction, of Communism, 12 pp, (pp 9-16).

The Party and the Construction of Communism, by S. Mezentsev, F. Petrenko, G. Shitarev, 19 pp, (pp 17-29).

Peaceful Coexistence -- the General Course of Soviet Foreign Policy, by A. Popov, A. Sergeyev, 12 pp, (pp 54-62).

The History of Socialist Moscow, by S. Kukushkin, V. Pimenov, M. Yashin, 6 pp, (pp 116-118).

No 1, 1962.

JPRS 12844

A Powerful Factor in the Building of Communism, by L. Il'ichev, 34 pp, (pp 11-38).

The Program of the CPSU and the Struggle of Peoples for Complete National Liberation, by D. N. Aydit, 6 pp, (pp 92-95).

Economic Independence -- The Next Task of the Liberation Movement in Asia, by R. Ul'yanovskiy, 17 pp, (pp 96-107).

"Life" Spews Out Bile, by B. Bykhovskiy, 10 pp, (pp 108-114).

USSR  
Political (Contd)

Selected Articles From the Russian  
Periodical Kommunist. (Contd)

No 2, Jan 1962, (SF-1875).

\*JPRS

The National-Liberation Movement --  
An Integral Part of the World  
Revolutionary Process, (pp 15-20).

The CPSU -- The People's Party,  
(pp 51-58).

The Higher School -- At a New Stage,  
by V. Stoletov, (pp 59-69).

Peaceful Co-existence and Revolution,  
by G. Starushenko, (pp 78-89).

Ways and Methods of Imperialist  
Propaganda, by V. Yadov, (pp 98-108).

No 3, Feb 1962, (DC-1875).

\*JPRS

The Immutable Law of Economic Con-  
struction, (pp 6-14).

At the Center of the Party Work --  
The Individual, by N. Chudin,  
(pp 67-74).

Reliable Facts -- The Basis of  
Historical Research, by I. Smirnov,  
(pp 75-83).

The Plans of the Enemies of Peace  
Are Doomed to Failure, by N. Shishlin,  
(pp 107-117).

What Functions Does the SEV [Council  
for Economic Mutual Assistance]  
Fulfill, by M. Nikolayev, (pp 118-123).

USSR  
Political (Contd)

Reflections on the Building of Communism,  
by Oleg Pissarzhevskiy, 15 pp.  
RUSSIAN, per, Nauka i Zhizn, Vol XXVIII,  
No 7, 1961, pp 2-12.

JPRS 12662

The Meeting of the Scientific Council of  
the African Institute of the USSR Devoted  
to the Problems of the Congo, by  
R. Imagilova, 7 pp.  
RUSSIAN, per, Sovet Etnografiya, No 3,  
May/Jun 1961, pp 93-96.

JPRS 12412

Soviet Ethnography on the Eve of the  
22d Congress CPSU, 8 pp.  
RUSSIAN, per, Sovet Etnografiya, No 4,  
1961, pp 3-8.

JPRS 12408

Soviet Methods Against Finland Unmasked,  
by Hans E. Teglert, 11 pp.  
DANISH, per, Information, Vol XX, No 28,  
2 Feb 1962, pp 1, 8.

JPRS 12903

The USSR After the 22d CPSU Congress, by  
Michel Tatu, 5 pp.  
FRENCH, per, Le Monde, Vol XIX, No 5284,  
12 Jan 1962, p 2.

JPRS 12612

The Reorganization of Research in the  
USSR and the Program of the Communist  
Party, by Francis Cohen, 10 pp.  
FRENCH, per, La Nouvelle Critique,  
Sep/Oct 1961, pp 101-111.

JPRS 12515

USSR  
Military

Bombing, by V. I. Kirillov.  
RUSSIAN, bk, Bombometaniye, 1960, 376 pp.

\*FTD-TT-62-235

Ship-Borne Air Defense Facilities, by  
K. V. Morozov, (SF-2184).  
RUSSIAN, bk, Korabel'nyye Sredstva PVO,  
1960, pp 3-122.

\*JPRS

Marksmanship Manual Infantry Antitank  
Launcher RPG-2, by I. K. Vil'chinskiy,  
G. M. Shinkarev.  
RUSSIAN, rpt, Nastavleniye po Strelkovomu  
Delu - Ruchnoy Protivo Tankovyy Granatomet  
(RPG-2), 2d Ed, revised, 1961, 96 pp.  
Encl No 1 to RV-1150-61, 513th IC Gp.

\*319th MI Bn  
I-0897  
ID 2186709

Selected Articles From the Russian  
Newspaper Krasnaya Zvezda.

22 Oct 1957.  
A. To Advance Training of Rear Service  
Sub-Units, by I. Fedorov, 4 pp.

525th MI Gp  
H-4987  
ID 2191517

20 Sep 1958.  
G. Rear Services Sub-Units on  
Tactical Training Exercises, 4 pp.

See Above

7 Apr 1959.  
E. New Mess Halls, Dressmaking and  
Tailoring Establishments and Sewing  
Workshops, 5 pp.

See Above

14 May 1959.  
D. For the Further Improvement of  
Public Catering in the Army, 5 pp.

See Above

19 May 1959.  
B. This Also Is a Combat Problem,  
by A. Adramovsky, V. Kuzmich, 5 pp.

See Above

23 May 1959.  
F. Readers Express Their Opinion on  
Logistic Duties, by P. Karpuhin, 5 pp.

See Above

USSR  
Military (Contd)

Selected Articles From the Russian  
Newspaper Krasnaya Zvezda. (Contd)

21 Jul 1959. H. An Important and Burning Problem, by I. Kuch, 3 pp.	525th MI Gp H-4987 ID 2191517
24 Jul 1959. O. Where Is the Rear? by Ponomarev, 4 pp.	See Above
25, 26 Jul 1961, (DC-6686). Missile Warheads, by Yu. Vishnyakov, A. Matveyev.	*JPRS
2 Sep 1961, p 4. Political Work in Navy, by Ye. Korovin, 6 pp.	JPRS 12744
6 Sep 1961, p 2. Combat Readiness, by V. Mal'tsev, 3 pp.	JPRS 12744
20 Sep 1961, pp 2, 3. Happiness Through Party Membership, by A. Krysov, 5 pp.	JPRS 12744
No 268, (11568), 14 Nov 1961, 2 pp. 9664299. Be On Guard, by Ye. Ya. Savitsky, 7 pp.	FTD-TT-61-458
No 32, (11637), 7 Feb 1962, p 2. Rockets of the Cruiser "Dzerkhinskiy", by M. Novikov, A. Krysov.	*FTD-TT-62-247
Big Seconds, by N. Denisov. RUSSIAN, per, <u>Kryl'ya Rodiny</u> , Oct 1961, pp 6-8.	*FTD-TT-62-402

USSR  
Military (Contd)

Rear Services and Supply of the Soviet  
Armed Forces, 117 pp.

RUSSIAN, per, Tyl i Snabzheniye  
Sovetskikh Vooruzhennykh Sil,  
No 1-12, 1961.

ACSI H-6908-A-L  
ID 2166459

Military Background of the Soviet  
Union's Arms Cut Suspension and Its  
Defense Budget Increase, by  
Minai Munenao.

JAPANESE, per, Tairiku Mondai,  
Oct 1961, Rpt No 1720/61. 9673467

500th INTC Gp  
Tr No 104931

Soviet Fighters, by J. Tyszowski.

POLISH, per, Wojskowy Przegląd  
Lotniczy, Nov 1961, pp 40-53.

\*FTD-TT-62-398

USSR  
Geographic

Transactions of the Expedition.  
Third Section. Geography and  
Geodesy, by A. Ye. Fersman.  
RUSSIAN, rpt, Pamirskaya Ekspeditsiya  
1928 G (Pamir Expedition 1928), 1930.

ACIC

Transactions of the Expedition Issue  
No I (16). Reports, by D. I. Shcherbakov.  
RUSSIAN, rpt, Pamirskaya Ekspeditsiya  
1931 G (Pamir Expedition 1931), 1933.

ACIC

The City of Aleksin, by N. Malevanov,  
A. Yefimov, 64 pp.  
RUSSIAN, per, Aleksin, 1960, pp 2-4,  
114-160.

JPRS 12503

Modern Makhachkala, by A. F. Viktorov,  
6 pp.  
RUSSIAN, per, Dagestanskaya ASSR, 1958,  
pp 205-210.

JPRS 12470

Triangulation Points in the Transcaspiian  
Region Determined by A. I. Pervas in  
1881 and 1882, by A. I. Pervas.  
RUSSIAN, per, Iz Kavkaz Otdela  
Imperatorskago Russ Geograf Obshch,  
Vol VIII, 1884, 1885.

ACIC

Telegraphic Determination of the  
Longitudes of Tiflis, Shemakha, and  
Baku and New Determination of the  
Latitudes of These Points, by  
P. Kul'berg.  
RUSSIAN, per, Iz Kavkaz Otdela  
Imperatorskago Russ Geograf Obshch,  
Vol VIII, 1884-1885, pp 285-293.

ACIC

Telegraphic Determination of the  
Differences in Longitudes Batum-  
Nikolayev, by P. Kul'berg.  
RUSSIAN, per, Iz Kavkaz Otdela  
Imperatorskago Russ Geograf Obshch,  
Vol VIII, 1884-1885, pp 344-346.

ACIC



USSR  
Geographic (Contd)

On the Peaks of El'brus, by  
G. K. Sulakvelidze, V. P. Lancheva,  
17 pp.  
RUSSIAN, per, Priroda, No 11, 1961,  
pp 72-78.

JPRS 12915

Selected Abstracts From Soviet  
Abstracts Journal Geography, 42 pp.  
RUSSIAN, per, Referativnyy Zhurnal  
Geografiya, No 3, 1961.

JPRS 12055

Selected Abstracts From Soviet  
Abstracts Journal Geography, 38 pp.  
RUSSIAN, per, Referativnyy Zhurnal,  
Geografiya, No 4, 1961.

JPRS 12587

On the New Map Outlining Seismic  
Areas in the Territory of USSR, by  
G. P. Gorshkov, 5 pp.  
RUSSIAN, per, Trudy Geofiz Inst  
Sbornik Statey i Dokladov, No 1,  
(128), 1948, pp 71-73. 9673492

Navy Tr 2863/Ho 120

Review of Trigonometric Work in  
Russia, by F. O. Maksimov.  
RUSSIAN, per, Zapiski Imperatorskago  
Russkago Geograficheskago Obshchestva,  
Vol V, 1851, pp 154-197.

ACIC

USSR  
Sociological

Individual Means of Antichemical Defense,  
by A. D. Voznesenskiy, 11 pp.  
RUSSIAN, rpt, Individual 'Nye Sredstva  
Protivokhimicheskoy Zashchity, Encl 1 to  
RV-693-61, 513th MI Gp, 1960.

ACSI I-0310  
ID 2177948

Establishment of "Health Zones" in the  
Baku City Parks and Gardens, by  
Prof Sh. M. Gasonov, 6 pp.  
RUSSIAN, per, Azerbaydzhan Med Zhur,  
No 7, 1961, pp 3-8.

JPRS 12664

Solution of the National Question in the  
USSR, by B. Gafurov, (DC-6679).  
RUSSIAN, per, Aziya i Afrika Segodnyy,  
No 1, 1962, pp 6-9.

\*JPRS

Assistance Given by the Institute of  
Scientific Research to Public Health  
Agencies, by A. G. Shumakov,  
V. F. Shpinev, 4 pp.  
RUSSIAN, per, Gig i Sani, No 9, 1961.

JPRS 12663

Siberian Academy of Sciences on Problems  
in the Communist Education of the Laborer.  
RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk  
SSR, No 7, 1961, pp 126-129.

JPRS 12661

Selected Articles From the Russian  
Periodical Kommunist.

No 18, Dec 1961.  
The Concluding Stage in the Great  
Cultural Revolution of the USSR,  
by M. Iovchuk, 17 pp, (pp 45-53).

JPRS 12527

The Humanism of Soviet Films, by  
G. Kozintsev, 13 pp, (pp 72-80).

Art and the Policy of the Reactionary  
Bourgeoisie, by M. Penkin, 14 pp,  
(pp 93-102).

USSR  
Sociological (Contd)

Selected Articles From the Russian  
Periodical Kommunist.

No 18, Dec 1961.  
Creating a Valid Textbook on the  
History of Lithuania, by V. Pashuto,  
R. Sharmaytis, 9 pp, (pp 109-112).

JPRS 12527

No 1, 1962.  
On the Path to a Classless Society,  
by V. Semenov, 17 pp, (pp 39-50).

JPRS 12844

Concerning One Survival of the Past,  
by G. Zimanas, 7 pp, (pp 80-85).

A Modern Ideology of Lutheranism, by  
K. Vimmsaare, 12 pp.  
RUSSIAN, per, Kommunist Estonii, No 5,  
1961, pp 74-83.

JPRS 12525

Initial Experience With Extender-Day  
Schools, by P. Simakov, 53 pp.  
RUSSIAN, per, Narod Obraz, No 11,  
1961, pp 76-86.

JPRS 12494

Selected Articles From Russian  
Periodical Sovetskaya Etnografiya.

No 3, May/Jun 1961.  
Basic Problems in the Ethnographic  
Study of Soviet Peoples', by  
V. Yu. Krupyanskaya, L. P. Potapov,  
L. N. Terent'yeva, 14 pp, (pp 3-12).

JPRS 12412

The Problem of Comparative Culture  
Values and the "Theory of Cultural  
Relativism", by S. Artanovskiy,  
14 pp, (pp 110-117).

USSR  
Sociological (Contd)

Selected Articles From Russian  
Periodical Sovetskaya Etnografiya. (Contd)

- No 4, 1961, pp 30-44. JPRS 12408  
The Disappearance of Religious  
Survivals Among Peoples of the  
USSR, by I. A. Kryvelev, 19 pp.
- Vol VI, 1961, (DC-6700). \*JPRS  
Principle Tasks of Soviet Ethnography  
in the Light of Decisions of the 22d  
Congress of the CPSU, (pp 3-8).
- Meeting of the Scientific Council  
of the African Institute of the  
Academy of Sciences USSR, by  
A. V. Nikiforov, (pp 124-126).
- On the Further Improvement of the  
Work of Correctional-Labor Institutes,  
by F. T. Kuznetsov. 9 pp.  
RUSSIAN, per, Sovet Gosudarstvo i  
Pravo, No 12, 1961, pp 97-101. JPRS 12788
- Concerning the Inter-Relationship of  
the Institute With Public Health  
Institutions, by K. M. Sherstnev, 4 pp.  
RUSSIAN, per, Vrachebnoye Delo, No 8,  
1961, pp 107-110. JPRS 12891

EASTERN EUROPE

Economic

Certain Peculiarities in the Development of State Finance Under the New Forms of State and Economic Management, by Stefan Markovich, 13 pp.

BULGARIAN, per, Finansi i Kredit, Vol XII, No 7, 1961, pp 21-30.

JPRS 12446

Report of Finance Ministry Work and on the Execution of the State Budget During the First Half of 1961, by M. Petrov, 6 pp.

BULGARIAN, per, Finansi i Kredit, Vol XII, No 7, 1961, pp 60-62.

JPRS 12446

The Correct Attitude Toward Remuneration for Labor of Cooperative Farmers in Various Branches, by Boris Mladenov, 10 pp.

BULGARIAN, per, Kooperativno Zemedelie, No 7, July 1961, pp 5-8.

JPRS 12707

Monetary Profit Distribution to Bulgarian Agricultural Cooperatives, by Ilja Gencin, 5 pp.

BULGARIAN, per, Naukata i Celnija Opit v Solskoto Stopanstvo, No 5, 1961; Vol III, No 8, 1961, p 256.

JPRS 12707

Eastern Europe  
Economic (Contd)

Selected Articles From the Bulgarian  
Periodical Planovo Stopanstvo i  
Statistika, No 7, 1961.

- Seventeen Years of Social, Political  
and Economic Progress, 16 pp. JPRS 12654
- Problems of the Chess Balance of  
Price Changes, by Nikola Volchev,  
22 pp, (pp 43-58). JPRS 12416
- Ways of Establishing the Correct  
Ratio Between the Dynamics of  
Labor Productivity and Wages, by  
Khristo Krinchev, 19 pp, (pp 59-73). JPRS 12416
- Improved Planning and Volume  
Accounting in the Machine Manu-  
facturing Industry, by Eliezer  
Gershonov, 9 pp, (pp 74-81). JPRS 12654
- The State of Natural Meadows and  
Pastures and Measures for Their  
Improvement, by Ivan Kalaydzhiev,  
3 pp.  
BULGARIAN, per, Selskostopanska  
Misul, Vol VI, No 7, 1961, pp 385-394. JPRS 12707
- Concerning the Average Duration of  
the Working Life, by Ivan Katsarov,  
11 pp.  
BULGARIAN, per, Trud i Tseni, Vol III,  
No 8, 1961, pp 33-. JPRS 12820
- Certain Questions on the Determination  
of Factory Prices, by Mikola Velichkov,  
15 pp.  
BULGARIAN, per, Trud i Tseni, Vol III,  
No 8, 1961, pp 42-54. JPRS 12820
- Lowering the Cost of Productivity in  
Animal Husbandry, by Hristo Krustanov,  
3 pp.  
BULGARIAN, per, Zhivotnovudstvo, Vol XV,  
No 12, 1961, pp 8-11. JPRS 12707

Eastern Europe  
Economic (Contd)

Concerning Work Planning Problems in  
People's Committees, by Stanko Brcic,  
12 pp.

CROATIAN, per, Bilten Za Pitanja Javne  
Uprave i Privrede, Vol IX, No 1,  
1961, pp 1-8.

JPRS 12446

Financing Independent Institutions, by  
Nikola Maracic, 15 pp.

CROATIAN, per, Bilten Za Pitanja Javne  
Uprave i Privrede, Vol IX, No 1, 1961,  
pp 8-17.

JPRS 12446

Regions in Foreign Trade, 11 pp.

CROATIAN, np, Ekonomska Politika,  
No 497, 499, 7 Oct 1961, p 1254,  
14 Oct 1961, p 1281, 21 Oct 1961,  
pp 1313, 1314.

JPRS 12483

Selected Articles From the Croatian  
Periodical Finansije, Vol XVI, No 7/8,  
1961.

Investments as an Instrument of  
Economic Analysis and Planning, by  
Dragmir Vojnic, 16 pp, (pp 468-480).

JPRS 12446

Taxing the Income of Individual  
Agricultural Producer and Craftsmen,  
by Marko Djurbabic, 34 pp, (pp 480-501).

JPRS 12446

The Status of Transportation Organiza-  
tions in the Yugoslav Economic System,  
by Ljubomir Jankovic, 12 pp,  
(pp 519-527).

JPRS 12449

Yugoslavia's Foreign Trade and Foreign  
Currency Systems, by Branko Trklja,  
15 pp.

CROATIAN, per, Narodna Uprava, No 6,  
1961, pp 221-230.

JPRS 12843

Eastern Europe  
Economic (Contd)

Selected Articles From the Croatian  
Periodical Narodni Odbor.

- No 5, 1961, pp 247-251. JPRS 12580  
Some Problems Concerning the  
Application of the Statute on  
Housing Relations, by  
Milos Kasapic, 72 pp.
- No 7/8, 1961, pp 409-411. JPRS 12580  
Procedure for Issuing Construction  
Permits, by Mirko Raonish, 4 pp.
- Vol XIV, No 9, 1961, pp 470-474. JPRS 12353  
Basic Provisions of New Legislation  
Affecting Public Roads, 10 pp.
- Law Regulating the Use of Piers and  
Harbor Facilities, by Dj. Doklestic,  
12 pp.  
CROATIAN, per, Nova Administracija,  
No 6/7, 1961, pp 563-568. JPRS 12353
- Law on Airport-Service Enterprises, by  
Dj. Doklestic, 10 pp.  
CROATIAN, per, Nova Administracija,  
No 6/7, 1961, pp 568-572. JPRS 12353
- Economic Cooperation and Distribution  
of Work Between the Countries of East  
Europe, by Drago Krndija, 5 pp.  
CROATIAN, per, Pregled, No 6, 1961,  
pp 605-608. JPRS 12843
- Some Aspects of the Post-War Development  
of Yugoslav Industries, by Ervin Salamon,  
13 pp.  
CROATIAN, per, Produktivnost, No 4, 1961,  
pp 264-268. JPRS 12654
- The Law on Ports and Its Application,  
by Ivan Tolj, 10 pp.  
CROATIAN, per, Pormorstvo, Vol XVI,  
No 8/9, 1961, pp 213-215. JPRS 12449



Eastern Europe  
Economic (Contd)

On the Law Concerning the Use of Ports  
and Harbors, by I. K., 3 pp.  
CROATIAN, per, Pomorstvo, Vol XVI,  
No 3/9, 1961, p 216.

JPRS 12449

New Customs Systems to Broaden  
Yugoslav Participation in International  
Trade, by Drazena Tomljanovic, 12 pp.  
CROATIAN, per, Pregled, No 4, 1961,  
pp 379-392.

JPRS 12655

List of Organizations Working on the  
Development of Production and the  
Organization of Work in Industry, 8 pp.  
CROATIAN, np, Privredni Pregled,  
23 Sep 1961, pp 7, 8.

JPRS 12425

Two Theories of Economic Stabilization  
to Further the Development and the Role  
of Under-Developed Countries of Africa  
and Other Regions, 3 pp.  
CROATIAN, per, Vesnik Jugoslovenske  
Investicne Banke, No 54, 55,  
June-July 1961, pp 27, 28.

JPRS 12655

Regulation and Methods of Credit Trans-  
actions With Other Countries, by  
Momcilo V. Pejovic, 3 pp.  
CROATIAN, per, Vesnik Jugoslovenske  
Investicne Banke, Aug 1961, No 56,  
pp 4, 5.

JPRS 12655

A Czech Exposition of Instruments for  
Automation and Electronics, 4 pp.  
CZECH, per, Automatica si Electronica  
Vol V, No 3, May/Jun 1961, pp 139, 140.

JPRS 12653

Pneumatic Measuring and Control Instruments  
Produced in Czechoslovakia, 4 pp.  
CZECH, per, Automatica si Electronica,  
Vol V, No 3, May/Jun 1961, pp 142-144.

JPRS 12653

Eastern Europe  
Economic (Contd)

Selected Articles From the Czech  
Periodical Ceskoslovenske Spoje.

Vol VI, No 10, 1961, (pp 8-10).  
The State of Telephone Networks in  
Prague, by Josef Krizek, 11 pp.

JPRS 12580

Vol VI, No 11, 1961.  
Results of the Conference of the  
Organization of Socialist Communi-  
cations in Warsaw, by  
Frantisek Vomastek, Jiri Moravec,  
Miroslav Moachim, 9 pp, (pp 7, 8).

JPRS 12690

Organization and Methods of  
Technical Standardization in  
Communications, by Karel Michalica,  
15 pp, (pp 13-16).

Selected Articles From the Czech  
Periodical Finance A Uver, No 10,  
1961.

JPRS 12820

For a More Effective Decentralized  
Construction, by Ljubomir Texl,  
Ladislav Kropac, 11 pp, (pp 577-583).

Causes of Overdrafts of Wage Funds  
in Construction Organization, by  
Emil Moravec, 9 pp, (pp 613-618).

Long-Term Financial Planning and Its  
Role in Stabilizing the Currency in  
Czechoslovakia, by Julius Branki,  
Miroslav Tucek, 14 pp, (pp 618-626).

Commentary on the Proposed State Plan  
for 1962, by D. Schejbal, J. Vintera,  
11 pp.

CZECH, per, Planovane Hospoderstvi,  
Vol XIV, No 9, 1961, pp 782-792.

JPRS 12625

Success in the Development of the North  
Bohemian Brown Coal District, by  
Jaroslav Zahalka, 7 pp.

CZECH, per, Planovane Hospodarstvi,  
Vol XIV, No 9, 1961, pp 841-846.

JPRS 12625

Eastern Europe  
Economic (Contd)

The Fulfillment of Czechoslovakia's  
Economic Plan, 34 pp.

CZECH, np, Rude Pravo, 3 Feb 62,  
pp 1, 3, 4.

JPRS 12862

For Greater Safety and Efficiency  
in Mining, by Oldrich Cernik, 5 pp.

CZECH, per, Uhlí, Vol III, No 9,  
Aug 1961, pp 289, 290.

JPRS 12702

Economic Effectiveness of Electric  
Traction, by Pavel Rusnak, 11 pp.

CZECH, per, Železniční Doprava a  
Technika, Vol IX, No 11, 1961,  
pp 330-332.

JPRS 12580

The Domestic Trade of East Germany,  
by Hans Schlenk, 140 pp.

GERMAN, bk, Der Binnenhandel in der  
Sowjetischen Besatzungszone  
Deutschlands, 1960, pp 16-18,  
22-123, 138-150, 192-202.

JPRS 12534

Albanian Industry, by Aqif Selfo, 5 pp.

GERMAN, bk, Gjeografia Fizike e  
Shqipërisë, 1961, pp 65-71, 80-84.

JPRS 12451

Price Policy and Price Formation in the  
GDR, 297 pp.

GERMAN, bk, Preispolitik und Preisbildung  
in der DDR, 1960, 244 pp.

JPRS 12583

Better Planned Employment of Manpower,  
by Gerhard Bauermeister, 6 pp.

GERMAN, per, Arbeit und Sozialfürsorge,  
Vol XVI, No 10, May 1961, pp 215, 216.

JPRS 12580

Complex Zonal Manpower Planning Opera-  
tions, by Diethard Schulz, 11 pp.

GERMAN, per, Arbeit und Sozialfürsorge,  
Vol XVI, No 11, Jun 1961; No 13, July 1961,  
p 288.

JPRS 12580

Eastern Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Der Aussenhandel.

- Vol XI, No 16, 9 Aug 1961, pp 23-26. JPRS 12411  
Socialist International Division of  
Labor in Machine Tool Production --  
Part I, by J. Streber, 7 pp.
- Vol XI, No 17/18, 28 Aug 1961.  
Export Prospects of Some Branches of  
Machine Building, by W. Rauchfuss,  
3 pp, (pp 7, 8). JPRS 12411
- Developments in the East German  
Chemical Industry, by Carl Eckloff,  
3 pp, (pp 10, 11). JPRS 12411
- Socialist International Economic  
Cooperation in Foreign Trade, by  
G. Kohlmeier, 4 pp, (pp 35-37). JPRS 12656
- Socialist International Division of  
Labor in Machine Tool Production --  
Part II, by J. Streber, 8 pp,  
(pp 49-54). JPRS 12411
- Vol XI, No 20, Oct 1961, pp 27-29.  
(SF-1855). JPRS 12279  
Conditions and Prerequisites for the  
International Specialization of the  
Chemical Industry, by P. Grabley. 6 pp.
- Vol XXIII, No 18, 1961, pp 11-14. JPRS 12656  
The Influence of Terms of Payment  
on Sales Prices and Its Consideration  
in Precalculation, by B. Stassen, 7 pp.
- Significance of Automatic Measuring and  
Regulating Equipment in Water Economy,  
by W. Rummel, 8 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, pp 294-297. JPRS 12679

Eastern Europe  
Economic (Contd)

Problems of Development and Research at  
the Ves Leuna-Werke Walter Ulbricht, by  
Wolfgang Schirmer, 11 pp.  
GERMAN, per, Chemische Technik, Vol XIII,  
No 11, 1961, pp 637-640.

JPRS 12652

New Czechoslovak Trolley Bus, by  
H. Heider, 3 pp.  
GERMAN, per, Deutsche Eisenbahntechnik,  
Vol IX, No 10, 1961, pp 503-505.

JPRS 12279

Selected Articles From the German  
Periodical Deutsche Finanzwirtschaft.

Vol XV, No 17, Sep 1961.  
Improved Methods of Cash and Credit  
Planning of the German Bank of Issue, by  
Reinhard Grauschwitz, 6 pp,  
(pp G324-G326).

JPRS 12446

Plans for the Free Assets of the  
Population, by Heinz Ebersbach, 4 pp,  
(pp G327, G328).

Vol XV, No 21, Nov 1961, pp 363-366.  
On the Application of Certain  
Provision of the Law on the State  
Budget for 1961, by Gotthold Kaltoven,  
6 pp.

JPRS 12777

The Polish Multipurpose Airplane PZL-101,  
by Rudi Mahn, 4 pp.  
GERMAN, per, Deutsche Flugtechnik, Vol XI,  
Nov 1961, pp 414, 415.

JPRS 12653

Eastern Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Die Deutsche Landwirtschaft.

Vol XII, No 10, 1961.

JPRS 12819

Ten Years of Activities of the German  
Academy of Agricultural Sciences in  
Berlin, by D. E. Plachy, 12 pp,  
(pp 469-472).

Ten Years of Operation of Experimental  
Stations of the German Academy of  
Agricultural Sciences in Berlin, by  
K. Kurzhals, H. J. Wolde, 12 pp,  
(pp 477-480).

Some Fodder Problems in Large Socialist  
Agricultural Enterprises, by  
O. Rosenkranz, 7 pp, (pp 481-483).

The Contribution of Plant Cultivation  
to the Solution of the Fodder Problem,  
by R. Schick, 15 pp, (pp 487-491).

Vol XII, No 12, 1961, pp 11-20.  
Present and Future Tasks of the  
Agricultural Sciences and the  
Responsibility of Scientists in  
Our Time, by Hans Stubbe, 11 pp.

JPRS 12819

Standardization as a Means of Advancing  
Technical and Scientific Progress in  
Postal Matters and Telecommunications, by  
Engr Heinz Bergert, 4 pp.  
GERMAN, per, Die Deutsche Post, Vol VI,  
No 10, 1961, p 294.

JPRS 12690

Changeover in Our Production and Protection  
of Our Economy Against Bonn's Disturbing  
Activity, by Gerd Friedrich, 18 pp.  
GERMAN, per, Einheit, Vol XVI, No 10,  
1961, pp 1470-1482.

JPRS 12820

Eastern Europe  
Economic (Contd)

The 400-Kilovolt Program of the German Democratic Republic, by Schwarz, 3 pp.  
GERMAN, per, Elektrie, Vol IX, Sept 1961, pp 135, 136.

JPRS 12411

Selected Articles From the German Periodical Der Elektro-Praktiker.

JPRS 12411

Vol X, Oct 1961, pp 332-334.  
Special Electric Motors for the Textile Industry, by N. Killiches, 5 pp.

Vol XV, No 4, 1961, pp 115, 116.  
Equipment of Laundry Rooms With Automatic Washers, by Walter Ohser, 3 pp.

Vol XV, No 5, 1961, pp 145-157.  
Power Current Engineering at the 1961 Leipzig Spring Fair, by Wolfgang Mahlke, 18 pp.

Interconnected Operation of the Electric Power Systems of the GDR, Czechoslovakia, Poland, and Hungary, by H. Muller, 11 pp.  
GERMAN, per, Energietechnik, Vol XI, No 7, 1961, pp 300-304.

JPRS 12658

Moths and Non-Woolen Textiles, by S. Wolf.  
GERMAN, per, Faserforschung und Textil, Vol IV, 1953, pp 417-437.

CSIRO 3398

Eastern Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Feingeraetetechnik, Vol X.

No 4, 1961.

JPRS 12473

Measurement and Control Engineering  
at the 1961 Leipzig Spring Fair, by  
K. Drescher, 4 pp, (pp 154-156).

Sonovisor 2: A Metallurgical Testing  
Device, by H. Trommler, 5 pp,  
(pp 157-161).

No 5, 1961.

JPRS 12473

Group Working According to Mitrofanov,  
by H. Weiz, 6 pp, (pp 193-198).

The Mitrofanov Method and Its Intro-  
duction at VEB Carl Zeiss, Jena, by  
P. Blume, 5 pp, (pp 208-213).

No 7, 1961, pp 304-314.

JPRS 12473

Multi-Purpose Circuit Units for  
Electronic Measuring Instruments,  
by H. Boehmel, 12 pp.

No 8, 1961.

JPRS 12411

The Material Conservation Movement  
at the Carl Zeiss Works in Jena, by  
H. Rummeler, K. H. Drehmann, 3 pp,  
(pp 337, 338).

New Measuring Instruments in East  
Germany, by A. Wiemer, R. Lehmann,  
5 pp, (pp 348-354).

No 10, 1961, pp 433-437.

JPRS 12411

The Significance of the "New Technology"  
Plan for the Development of the  
Industrial Sector of Control Equip-  
ment, Instruments Engineering and  
Optics, by S. Spiess, 10 pp.



Eastern Europe  
Economic (Contd)

Technological Development of the Machine Industry in Hungary, by Janos Sebestyen, 5 pp.

GERMAN, per, Gepgyartastechnologia, Vol I, No 5, 1961, pp 161-165.

JPRS 12411

Rapid Transport B 1000 -- A New Development of the Veb Barkas Works, 4 pp.

GERMAN, per, Kraftfahrzeug-Technik, Vol II, No 11, 1961, pp 468-471.

JPRS 12653

Evaluations of the Distribution Uniformity of Fertilizer Distributors, by H. Heyde.

GERMAN, per, Landtechnische Forschung, Vol VII, No 2, 1957, pp 53-55.

CSIRO 3517

Selected Articles From the German Periodical Maschinenbau Technik.

No 7, 1961.

JPRS 12279

Chipping Machine Tools at the 1961 Leipzig Spring Fair, by H. Worfel, E. Meier, 20 pp, (pp 340-355).

Cutting and Bending Machine Tools Shown at the 1961 Leipzig Spring Fair, by H. Puschmann, 6 pp, (pp 356-361).

Gear Engineering at the 1961 Leipzig Spring Fair, by R. Altschul, 5 pp, (pp 362-366).

Vol X, No 11, 1961, pp 569-572.

JPRS 12473

The New Technology Plan Paves the Way for Socialism, by H. Doherr, 8 pp.

New Radar Instruments for Increased Safety at Sea, by H. Mueller, 5 pp.

GERMAN, per, Nachrichtentechnik, Vol XI, No 6, 1961, pp 271, 272.

JPRS 12473

Eastern Europe  
Economic (Contd)

Miniature Duroplast Condensers for  
Transistor Engineering, by  
R. Bretschneider, 8 pp.  
GERMAN, per, Nachrichtentechnik,  
Vol XI, No 6, 1961, pp 273-275.

JPRS 12473

Selected Articles From the German  
Periodical Neue Hütte.

No 5, 1961, pp 276-283.  
Study of the Operation of Low-Shaft  
Furnaces, by Dieter Reimann,  
Hans Burger, 17 pp.

JPRS 12657

No 9, 1961.  
Some Special Economic Aspects of  
Low Blast Furnace Management, by  
J. Tischendorf, 15 pp, (pp 540-544).

JPRS 12658

Production of Metallic Special  
Materials in the VEB Hettstedt Rolling  
Mill, by Gerhard Pupke, 11 pp,  
(pp 573-577).

Polish Agricultural Economy, 6 pp.  
GERMAN, np, Neue Zuericher Zeitung,  
5 Oct 1961, Encl to RV-1237-61.

ID 2189543

Machine Tool Engineering in CEMA, 8 pp.  
GERMAN, np, Neue Zuericher Zeitung,  
No 4734, 9 Dec 1961, p 10.

JPRS 12652

Cooperation Between CSSR and GRD in  
Technical Standardization of the  
Automobile Industry, by Karel Zinkovsky,  
7 pp.  
GERMAN, per, Normalizace, No 9, 1961,  
pp 205, 206.

JPRS 12411

Operative Planning of Transport Under  
the Decree for Planning and Cooperation  
in Freight Transportation, by Heinz  
Eichmann, 8 pp.  
GERMAN, per, Der Operative Dienst, Vol V,  
No 10, 1961, pp 332-334.

JPRS 12690

Eastern Europe  
Economic (Contd)

The Annual Export Contract -- Instrument  
for Organization of the Export Plan, by  
R. Richter, 9 pp.  
GERMAN, per, Recht im Aussenhandel, Vol XI,  
No 10, 1961, pp 1-4.

JPRS 12656

Reefer Ship 600, 15 pp.  
GERMAN, per, Schiffbau Technik, Vol X,  
1961, pp 487-495.

JPRS 12473

Scientific-Technical Cooperation Between  
USSR and DSRK Registers, by W. Grund, 6 pp.  
GERMAN, per, Schiffbau Technik, Vol X,  
1961, pp 528-530.

JPRS 12473

The Development of Veb Dieselmotorenwerk,  
Rostock, by W. Huebner, 4 pp.  
GERMAN, per, Die Technik, Vol XVI, No 5,  
1961, pp 355-359.

JPRS 12411

Developments in Machine Tool Construction  
Observations on the Leipzig Spring Fair  
in 1961, by H. Langguth, 7 pp.  
GERMAN, per, Technische Gemeinschaft,  
Vol IX, No 7, 1961, pp 252-257.

JPRS 12652

Improvement in State Management of Foreign  
Trade, by Melmut Wagner, 5 pp.  
GERMAN, per, Vertragssystem, Vol V,  
No 12, 1961, pp 353, 354.

JPRS 12478

The Necessity and Significance of New  
Export Provisions for Goods and Services,  
by Dieter Paul, 8 pp.  
GERMAN, per, Vertragssystem, Vol V,  
No 12, 1961, pp 355-358.

JPRS 12478

Dam Construction Conference of the  
Institute for Water Economy, 8 pp.  
GERMAN, per, Wasserwirtschaft-  
Wassertechnik, Vol XI, No 8, 1961,  
pp 406-408.

JPRS 12682

Eastern Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Die Wirtschaft.

- No 39, 27 Sep 1961, p 6. JPRS 12820  
What is the Best Form of Wages?, by  
Mehnert, 5 pp.
- No 45, 1 Nov 1961, p 6. JPRS 12820  
Strict Control Over the Development  
of Wages, by W. Schilke, 4 pp.
- Vol XVI, No 50, 6 Dec 1961, p 5. JPRS 12862  
Falsely Fixed Prices Hinder Productivity,  
by F. Enderlein, J. Haupt, 6 pp.
- No 2, 10 Jan 1962, p 11. JPRS 12478  
Permanent Economic Committee Formed  
to Increase Trade Between the GRD  
and Bulgaria, 3 pp.
- Results and Future of Open-Cut Mining,  
4 pp.  
HUNGARIAN, np, Figyele, 27 Oct 1961,  
p 11. JPRS 12658
- Effects of Production Increases in the  
Pharmaceutical Industry, 4 pp.  
HUNGARIAN, np, Figyele, 27 Dec 1961,  
p 5. JPRS 12652
- Some Problems of the Hungarian Cities  
in the Industrial Sphere, by Ferenc Boros,  
(NY-6995).  
HUNGARIAN, per, Foldrajzi Ertesito,  
Vol X, No 3, 28 Jun 1961, pp 379-393. \*JPRS
- The Establishment of Specific Economic  
Zones and Theoretical Questions  
Pertaining to Them, 28 pp.  
HUNGARIAN, per, Foldrajzi Koslemenye,  
Vol IX, No 3, 1961, pp 223-244. JPRS 12583

Eastern Europe  
Economic (Contd)

Practical Experiences and Problems in  
the Manufacture of High-Precision  
Machine Tools, by Kschwendt Pal, 14 pp.  
HUNGARIAN, per, Gepgyartas Technologia,  
Vol I, 1961, pp 241-247.

JPRS 12652

Review of Hungarian Engineering, 4 pp.  
HUNGARIAN, per, Hospodarske Noviny,  
24 Nov 1961, p 8.

JPRS 12597

Modern Hungarian Conveyors, by  
Istvan Haraszti, 10 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XIII,  
No 8, 9, 1961, pp 4-8.

JPRS 12841

Improvement of the Hungarian Bauxite and  
Aluminum Industry, by Janos Kerese, 5 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XIII,  
No 8/9, 1961, pp 67, 68.

JPRS 12567

Selected Articles From the Hungarian  
Periodical Kozgazdasagi Szemle.

No 6, 1961, pp 570-585.

JPRS 12473

Determination by Linear Programming of  
the Optimum Investment Plan for a Given  
Industry, by Janos Kornai, 38 pp.

No 8/9, 1961, pp 960-970.

JPRS 12446

Productivity and Utilization of Fixed  
Capital, by Zoltan Roman, 15 pp.

No 11, 1961, pp 1265-1283.

JPRS 12777

Development of the Hungarian People's  
Economy During the Period of the  
Second Five-Year Plan, by Imre Pardi,  
25 pp.

No 11, 1961, pp 1337-1351.

JPRS 12820

Some Problems in the Development of  
Consumer and Marketing Cooperatives,  
by Istvan Kadar, 21 pp.

Eastern Europe  
Economic (Contd)

The Twenty-Year Perspective Plan of the Construction Industry, by Laszlo Lux, 13 pp.

HUNGARIAN, per, Magyar Epitoipar, Vol X, No 10, 1961, pp 473-477.

JPRS 12690

Processes and Production in a Lacquer, Paint, and Synthetic Resin Plant, by Szekely Geza, 11 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja, Sep 1961, pp 397-404.

JPRS 12279

On the Reform of the Training of Chemical Engineers in Hungary and the Demand of National Economic Planning, by Laszlo Vajta, 5 pp.

HUNGARIAN, per, Magyar Tudomany, Vol VI, No 6, 1961, pp 359, 360.

JPRS 12814

New Aspects of the Financial Condition of the Population in the Period of the Three-Year Plan, by Gyorgy Land, 29 pp.  
HUNGARIAN, per, Statisztikai Szemle, Vol XXXIX, No 11, 1961, pp 1135-1149.

JPRS 12777

Evolution and Technical Level of the Cellulose and Paper Industry, by Bela Csorgo, 28 pp.

HUNGARIAN, per, Statisztikai Szemle, Vol XXXIX, No 11, 1961, pp 1166-1174.

JPRS 12353

Products and Production Development in the Balatonfoldvar Shipyards, by Angela Nagy, 5 pp.

HUNGARIAN, per, Ujitok Lapja, Vol XIII, No 14, 25 Jul 1961, p 11.

JPRS 12653

Current Situation and Problems of Long-Range Planning in Machine Tool Production, by Lajos Simonyi, 8 pp.

HUNGARIAN, per, Ujitok Lapja, Vol XIII, No 14, 25 Jul 1961, pp 20, 21.

JPRS 12653

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Chemik.

Vol XIV, No 7/8, 1961.  
The Demand for Chemical Equipment  
in the Long Range Plans, by  
Stanislaw Zuczkiewicz, 7 pp.  
(pp 258-260).

JPRS 12473

The Position of the Synthetics  
Industry in the Ten-Year Period  
1950-1960, by Roman Bob, 7 pp,  
(pp 290-292).

1961, pp 371-377.  
Lowering Transport Costs for  
Synthetic Fertilizers, by  
Jerzy Goynia, Aleksander Filasiewicz,  
8 pp.

JPRS 12279

Selected Articles From the Polish  
Periodical Finanse.

Vol XII, No 8, 1961.  
Socialist Money and Gold, by  
Zdzislaw Fedorowicz, 16 pp,  
(pp 1-11).

JPRS 12706

Temporary Inflationary Phenomena  
in the National Economy, by  
Jan Czarkowski, 15 pp, (pp 12-22).

Factors Determining the Develop-  
ment Fund, by Urszula Wojciechowska,  
13 pp, (pp 23-31).

Analysis of Non-Operational  
Activities of State Enterprises,  
by Zenon Rajewski, Jozefa Jeziorowska,  
10 pp, (pp 32-38).

Crediting Incorrect Financial Needs  
of Enterprises -- A Form of Bank  
Influence Over Enterprises, by  
Wladyslaw Jaworski, 27 pp, (pp 39-50).

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Finanse. (Contd)

Vol XII, No 8, 1961.

JPRS 12706

Wage Fund in Construction and  
Assembly Enterprises, by  
Janina Kepa, 3 pp, (pp 51, 52).

Vol XII, No 9, 1961.

JPRS 12352

State Budget of People's Poland in  
the Period of Industrialization,  
by Zbigniew Pirozynski, 24 pp,  
(pp 4-18).

Development of the Financial  
System of State Enterprises in  
the Polish People's Republic, by  
Bronislaw Blass, 26 pp, (pp 19-36).

Synthetic Balances in the Practice  
of Planning in the Polish People's  
Republic, by Stanislaw Majewski,  
Marian Krzak, 18 pp, (pp 37-48).

Planning of Money in a Socialist  
Economy, by Pavel Sulmicki, 18 pp,  
(pp 49-60).

Current Problems in Creating the  
Development Fund, by  
Urszula Wojciechowska, 12 pp,  
(pp 67-74).

System of Operation of the Factory  
Fund and Multi-Year Norms, by  
Mieczyslaw Cielecki, 13 pp,  
(pp 75-82).

Financing Repairs of Fixed Assets  
of Enterprises, by Jerzy Bednarowicz,  
4 pp, (pp 83-85).

Bank Control of Investments, by  
Arkadiusz Wolowczyk, 9 pp, (pp 86-91).



Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Finanse. (Contd)

Vol XII, No 10, 1961.

JPRS 12708

Material Incentives and Reduction  
in Costs, by Zbigniew Madej, 14 pp,  
(pp 1-9).

On the Need for Reforms in the Field  
of Nonpersonnel Wage Fund, by  
Bronislaw Fick, 12 pp, (pp 10-17).

Budgetary Subsidies for Social  
Organizations, by Ziemkiewicz,  
10 pp, (pp 18-23).

Taxes on Private Economy, by  
Jozef Gabjan, Kazimierz Wieckowski,  
23 pp, (pp 24-38).

Synthetic Financial Balances in the  
Planning Practice of East Germany  
and Czechoslovakia, by  
Zenon Rajewski, 14 pp, (pp 61-69).

Primary New Investment in the Chemical  
Industry in the 1961-1965 Plan, by  
Jan Pojda, Mieczyslaw Zajac, 8 pp.  
POLISH, per, Gospodarka Planowa,  
No 8/9, 1961, pp 1-4.

JPRS 12279

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Handel Zagraniczny.

No 6, 1961.

JPRS 12483

The Development of Trade Exchanges  
Between Poland and the Socialist  
Countries, by Tadeusz Kroposzynski,  
6 pp, (pp 244-246).

The Current Activities of the Council  
of Mutual Economic Aid, by  
Henryk Rozanski, 10 pp, (pp 247-251).

East-West Economic Relations, by  
Bohdan Laczkowski, 8 pp, (pp 258-261).

The Trade of Underdeveloped Countries  
During the Next Twenty Years, by  
Ignacy Sachs, 12 pp, (pp 264-268).

Trade Participation by Socialist and  
Capitalist Mixed Enterprises, by  
Stanislaw Szczypiorski, 6 pp,  
(pp 268-270).

No 8, 1961, pp 342-348.

JPRS 12690

Key Problems of Land-Sea Transit, by  
Ignacy Tarski, 17 pp.

Polish Design Progress Show at Warsaw  
Motor Exhibition, by Z. Perzynski, 3 pp.  
POLISH, per, Horyzonty Techniki, No 5,  
1961, pp 194-198.

JPRS 12830

Problems Arising From Specialization  
of Component Production, 8 pp.  
POLISH, per, Hospodarske Noviny,  
6 Oct 1961, p 4.

JPRS 12597

Modern Domestic Forging Machines, by  
Kazimierz Bosiacki, 9 pp.  
POLISH, per, Hutnik, No 11, 1961,  
pp 416-424.

JPRS 12659

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Inwestycje i Budownictwo.

Vol XI, No 4, 1961.

JPRS 12706

Characteristics of Fixed Assets on  
the Basis of Results of General  
Inventory, by Stanislaw Rog, 14 pp,  
(pp 1-5).

The General System of Quantitative  
Norms in Construction and the  
Place of Cost-Estimate Norms and  
That System, by Maksymilian Pszenicki,  
14 pp, (pp 6-10).

New Principles for Including Means  
of Production Among Fixed Assets, by  
Krystyna Kurklinska, 4 pp, (pp 20, 21).

Vol XI, No 9, 1961.

JPRS 12862

Capital Investment in the First Half  
of 1961, by Aleksander Szerwentke,  
8 pp, (pp 1-3).

The Actual Stage of the Investment  
Project Revision, by Jerzy Ciahunowicz,  
12 pp, (pp 4-8).

Selected Articles From the Polish  
Periodical Mechanizacja Rolnictwa.

JPRS 12948

Vol VIII, No 6, 1961, pp 8, 9.  
The Ursus C-325 Tractor System, 4 pp.

Vol VIII, No 7, 1961, pp 4-7.  
Mechanization and the State Farms, by  
Jan Bojanczyk, 10 pp.

Vol VIII, No 8, 1961.  
Electrical Installation Services of  
the POM, 3 pp, (pp 2, 3).

Tractor-Drawn Machinery for Hay  
Harvesting, by Janusz Krzeminski, 4 pp,  
(pp 4, 5).

Machinery Sets at Agricultural Circles  
by Marian Ponikowski, Wieslaw Kasprzyk,  
8 pp, (pp 27-29).

Eastern Europe  
Economic (Contd)

Polish-Soviet Trade in Machinery and Equipment, by B. Dowejko, H. Szablewski, 4 pp.

POLISH, per, Norvzonti Techniki, No 11, 1961, pp 486-490.

JPRS 12279

Selected Articles From the Polish Periodical Nowe Drogi.

No 9, 1961.

Construction in the Five-Year Plan, by Marian Olewinski, 14 pp, (pp 45-54).

JPRS 12580

Development of Studies of Effectiveness of Investments in Poland, by A. Pospiech, M. Rakowski, 8 pp, (pp 115-120).

JPRS 12583

No 10, 1961, pp 99-107.

International Cooperation in Heavy Industry, by Zygmunt Keh, 11 pp.

JPRS 12411

No 12, 1961, pp 65-75.

Agriculture in the First Year of the Present Five-Year Plan, by Mieczyslaw Jagielski, 16 pp.

JPRS 12811

Selected Articles From the Polish Periodical Nowe Rolnictwo.

No 10, May 1961.

Supply of Machinery and Tractors to Agriculture, by A. Czechowicz, 5 pp, (pp 1, 2).

JPRS 12811

Difficulties of Plan Implementation on State Farms, by M. Urban, 3 pp, (pp 22-25).

The Mechanization of Flax and Hemp Production, by St. Symonowicz, 6 pp, (pp 34, 35).

Means of Insuring the Fulfillment of the Seed Renovation Plan for 1961-1965, by A. Z., 3 pp, (p 37).

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Nowe Rolnictwo. (Contd)

No 11, 1 Jun 1961.

JPRS 12948

Single-Step Grain Harvesting, by  
R. Fafara, 4 pp, (pp 1-4).

Mechanization of Harvesting on State  
Farms, by K. Pelc, P. Zalewski,  
4 pp, (pp 7, 8).

Raising Hogs in Individual Pens and  
Permanent Sties, by Z. Dowgiallo,  
5 pp, (pp 25-27).

Rape Cultivation, by J. Kielkiewicz,  
4 pp, (pp 30, 31).

No 12, Jun 1961, pp 22-25.

JPRS 12811

Animal Husbandry Development Program  
for 1961-1965, by F. Klocek, 8 pp.

No 13, 1961, pp 19, 20.

JPRS 12948

Cultivation of Improved Land, by  
S. Slominski, 5 pp.

No 14, 1961.

JPRS 12948

The Role of the State Machine  
Stations in 1961-1965, by  
M. Jagielski, 12 pp, (pp 3-8).

Rate of Growth in Agricultural  
Production, by Z. Karczewski, 3 pp,  
(pp 8-10).

Intensified Production and Further  
Development of Agricultural Circles,  
by M. Bodalski, 6 pp, (pp 11-13).

Structure of Total Production Value  
in the 1949-1959 (1960) Period, by  
St. Gajos, 5 pp, (pp 41, 42).

Bulk Purchasing of Agricultural  
Commodities in the First Half of  
1961, by St. Szczepniak, 4 pp,  
(pp 43, 44).

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Nowe Rolnictwo. (Contd)

JPRS 12422

No 16, 1961.

The Contribution of Chemistry to  
Agriculture, by A. Kowalsi, 7 pp.

Research in Agricultural Chemistry,  
by M. Gorski, 5 pp.

Fertilization in the Current Five-  
Year Plan, by W. Boguszewski, 6 pp.

Mineral Fertilizers, by T. Landau,  
6 pp.

Liquid Fertilizers, by K. Nowak,  
Z. Rokossowski, 7 pp.

Mixed Fertilizers, by E. Malysowa,  
4 pp.

The Effectiveness of Fertilization,  
by Z. Grochowski, 7 pp.

Increased Rye and Wheat Yields in  
Relation to Mineral Fertilization,  
by K. Lehmann, 5 pp.

Modern Methods of Fertilizing Winter  
Wheats, by J. Kreowski, 6 pp.

Means of Pest, Plant Disease, and  
Weed Control, by T. Krasuski,  
J. Peczak, 7 pp.

Chemical Industry Produces Feeds,  
by W. Mazgaj, 5 pp.

Plastics in Agriculture, by  
F. Litwiniak, 3 pp.

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Nowe Rolnictwo. (Contd)

No 16, 1961.

JPRS 12422

The Contribution of Thepharmaceutical  
Industry to Agriculture, by  
E. Wardzinski, 3 pp.

Agricultural Chemistry Stations,  
5 pp.

Research in Foundry Machine Design to  
Provide Technological Improvements, by  
Stanislaw Pelczarski, 6 pp.

POLISH, per, Problemy Projectowe,  
No 10, 1961, pp 310-314.

JPRS 12659

Organizational Structure of Local State  
Industry, by Juliusz Golinski, 7 pp.

POLISH, per, Przegląd Drobnej Wytworczosci,  
Vol XI, No 19, Oct 1961, pp 5, 6.

JPRS 12580

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Przegląd Hodowlany,  
Vol XXIX, No 9, 1961.

JPRS 12811

The Export of Animal Products, by  
Jerzy Wierzbicki, 7 pp, (pp 1-3).

The Role of Dairy Cooperatives in  
the Procurement of Milk and in the  
Dairy Industry, by Marian Lis, 4 pp,  
(pp 4-6).

Seasonal Mortality of Sucklings and  
Young Weaned Pigs, by Kazimierz Tursk,  
3 pp, (pp 14, 15).

National Conference on the Artificial  
Insemination of Cattle in Rzeszow, by  
Franciszek Klocek, Wladyslaw Glod,  
Wanda Turkowskw, 16 pp, (pp 26-30).

Plan for Development of Railroads in  
1961-1962, 56 pp.

POLISH, per, Przegląd Kolejowy  
Przewozowy, Vol XIII, No 9, 1961,  
pp 2-39.

JPRS 12449

Production Plans of the Stalowa Wola  
Smelter, by Kazimierz Kotwica,

Jan Modrzejowski, 3 pp.  
POLISH, per, Przegląd Mechaniczny,  
No 19, 20, October 1961, pp 580-586.

JPRS 12579

Small Metal Plants in Rzeszow Woje-  
wodztwo, by Andrzej Jedynak, 3 pp.  
POLISH, per, Przegląd Mechaniczny,  
No 19, 20 Oct 1961, pp 613-615.

JPRS 12579

New Rolling Mill and Seamless Drawn  
Pipe Works, by Marcin Jaskowski,  
4 pp.

POLISH, per, Przegląd Techniczny,  
No 37, 1961, p 9.

JPRS 12830



Eastern Europe  
Economic (Contd)

Automatization of Assembly and Machine Tools, by Piotr Moroz, 3 pp.

POLISH, per, Przegląd Techniczny, No 46, 14 Nov 1961, p 3.

JPRS 12597

Principle of Implementing and Financing Investments in 1961, by Franciszek Wentowski, 16 pp.

POLISH, per, Przegląd Ustawodawstwa Gospodarczego, Vol XIV, No 4, 1961, pp 121-127.

JPRS 12862

Problems of the Chemical Industry Foreign Trade, by Janusz Walewski, 7 pp.

POLISH, per, Przemysł Chemiczny, Vol II, No 8, 1961, pp 417-419.

JPRS 12830

The Technical State of Domestic Production of Plant Pesticides, by Tadeusz Krasuski, Jerzy Peczak, 20 pp.  
POLISH, per, Przemysł Chemiczny, No 9, 1961, pp 485-488, No 10, 1961, pp 545-548.

JPRS 12425

Remarks on the Five-Year Plan for Technical Progressing the Food Industry, by Zbigniew Ziolkowski, 13 pp.  
POLISH, per, Przemysł Spożywczy, Vol XV, No 8, 1961, pp 1-10.

JPRS 12776

Suggestions for Developing the Basic Resources of Poland, 6 pp.

POLISH, per, Wiadomości Górnice, Vol XII, No 3, 1961, pp 81-84.

JPRS 12659

Selected Articles From the Polish Periodical Wiadomości Statystyczne.

Vol VI, No 4, Jul/Aug 1961, pp 10-12.  
On the Need for Changes in Statistics Concerning Fixed Assets, by Kazimierz Antonik, 8 pp.

JPRS 12583

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Wiadomosci Statystyczne.  
(Contd)

Vol VI, No 5, Sep-Oct 1961.  
Certain Problems Related to  
Balancing the Distribution of  
National Income, by Stanislaw Krysiak,  
16 pp, (pp 1-6).

JPRS 12708

Representative Surveys of Family  
Budgets in International Practice, by  
Jan Kordos, 6 pp, (pp 15-17).

Selected Articles From the Polish  
Periodical Wies Wspolczensna.

No 7, 1961.  
Mechanization -- A Complex Problem,  
by Stefania Dambrowska, Tadeusz  
Kociecki, 12 pp, (pp 48-57).

JPRS 12811

Local Roads -- An Urgent Problem,  
by Adam Wyderko, Jozef Pawlowski,  
10 pp, (pp 72-85).

Formation and Allocation of the  
Communal Fund in 1960, by Adam Wyderko,  
6 pp, (pp 119-123).

No 10, 1961.  
Grains and the Development of Live-  
stock Production, by Jan Zaleski,  
Edward Marczak, 12 pp, (pp 65-74).

JPRS 12776

The State Farms as Pioneers of  
Progress in Agriculture, by  
Antoni Leszczyk, 14 pp, (pp 75-85).

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Zycie Gospodrcze.

No 38, 17 Sep 1961.

Economy of the Socialist Countries  
in the First Half of 1961, by  
Adam Zwass, 9 pp, (pp 1, 7).

JPRS 12583

Functions of Production Material  
Prices, by Albin Plocica, 7 pp,  
(p 2).

JPRS 12416

No 41, 8 Oct 1961, p 2.

Functions of Production Materials  
Prices, by Albin Plocica, 8 pp.

JPRS 12416

No 44, 29 Oct 1961, pp 1, 6.

Need for Planning Quality of  
Production, by Remigiusz Orzechowski,  
8 pp.

JPRS 12416

No 49, 3 Dec 1961.

Wine Production, by Stanislaw Galicki,  
5 pp, (p 4).

JPRS 12416

The Association in Face of Export  
Quotas, by Barbara Wisniewska,  
7 pp, (p 5).

JPRS 12777

Two Aspects of the Export of  
Textiles, by Eliaz Chazanow, 6 pp,  
(p 8).

JPRS 12483

Agricultural Centers for Agricultural  
Circles, by W. Siekierzucki, 8 pp.  
POLISH, per, Zycie Rolnicze, Vol XVII,  
No 7, 1961, pp 3-7.

JPRS 12948

Agricultural Circles and Farms Women's  
Circles, 4 pp.  
POLISH, per, Zycie Rolnicze, Vol XVII,  
No 7, 1961, pp 12,13.

JPRS 12948

Eastern Europe  
Economic (Contd)

Contributions to the Agricultural  
Geography of Petrosani Raion, by  
Arisztid Nagy, (NY-6997).  
RUMANIAN, bk, Studia Universitatis  
Babes-Bolyai, 1959, pp 173-179.

\*JPRS

Rural Economic Geography of Oradea  
Regiune, by Valentina Karteva,  
(NY-6997)  
RUMANIAN, bk, Studia Universitatis  
Babes-Bolyai, 1959, pp 181-198.

\*JPRS

Technical Progress in Rumania During  
Recent Years, 3 pp.  
RUMANIAN, per, Automatica si Electronica,  
May/Jun 1961, pp 97-100.

JPRS 12653

For More Efficient Use of Industrial  
Resources, by Radu Manescu, 11 pp.  
RUMANIAN, per, Lupta de Clasa, Vol XLI,  
No 10, 1961, pp 25-34.

JPRS 12333

The Durability of Forging Dies and the  
Means of Improving it at the "Steagul  
Rosu" Works in Brasov, by M. Marinescu-  
Firica, 15 pp.  
RUMANIAN, per, Metalurgia si Constructia  
de Masini, Vol XIII, No 11, 1961,  
pp 927-936.

JPRS 12724

New Trends in Crane Building, by Ion  
Balanescu, 9 pp.  
RUMANIAN, per, Metalurgia si Constructia  
de Masini, Vol XIII, No 11, 1961,  
pp 967-974.

JPRS 12724

Activity of Rumanian Geologists Abroad,  
by Andrei Gurau, 6 pp.  
RUMANIAN, per, Natura, Vol XIII, No 4,  
Jul-Aug 1961, pp 9-15.

JPRS 12565

Eastern Europe  
Economic (Contd)

Selected Articles From the Rumanian  
Periodical Petrol si Gaze, Vol XII.

No 6, 1961, pp 267-269.

JPRS 12653

The Use of Catalysts in the Pro-  
duction of Bitumens Through Air  
Oxidation, by I. Scheianu,  
D. Grigorescu, C. Vasiliu, 5 pp.

No 7, 1961.

JPRS 12658

Trends in Development of the World  
Oil Processing Industry and the  
Situation in This Industry in the  
RPR, by M. Cosmin, 12 pp, (pp 295-299).

Some Problems and Perspectives of  
Secondary Petroleum Exploitation in  
the RPR, by Al. Vernescu, 9 pp,  
(pp 312-316).

Present Concepts on the Relationship  
Between Crude Oil Production and  
Reserves, by D. Codreanu, 6 pp,  
(pp 325-327).

Accomplishments and Perspectives  
of the Ploiesti Coring and Drilling  
Enterprise, 6 pp, (pp 328-329).

New Success in the Fulfillment of the  
Plan for Technical Organizational  
Measures, 5 pp, (pp 334-335).

Relationship Between the Increase in  
Labor Productivity and the Automation  
of Production, by P. Vagu, 14 pp.  
RUMANIAN, per, Probleme Economice,  
No 10, 1961, pp 34-47.

JPRS 12333

Mechanization of Heavy Operations  
With a High Volume of Labor, by  
Gh. Raboaca, Gr. Corlan, 15 pp.  
RUMANIAN, per, Probleme Economice,  
No 10, 1961, pp 98-113.

JPRS 12333

Eastern Europe  
Economic (Contd)

Selected Articles From the Rumanian  
Periodical Revista De Chimie, Vol XII.

No 4, 1961, pp 239-242. JPRS 12653  
Development of the Chemical and  
Petroleum Industry in the German  
Democratic Republic, 11 pp.

No 6, 1961, pp 361-364. JPRS 12841  
The Development of the Petroleum  
and Chemical Industry in the People's  
Republic of Hungary, 13 pp.

No 7, 1961, pp 429-432. JPRS 12653  
The Chemical Industry in Poland,  
12 pp.

No 10, 1961. JPRS 12333  
Phenol-Acetone Section of the  
Synthetic Rubber Plant, 8 pp,  
(pp 567-569).

Checking the Quality of Pipes of  
Rigid Polyvinyl Chloride Produced in  
Rumania, by Madeleine Ivanoff,  
T. Boiangiu, 8 pp, (pp 570-575).

Manufacture in the RPR of Electric  
Conductors and Cables Insulated With  
Polyvinyl Chloride, by C. Antohi,  
Elena Podani, Maria Roidan, 4 pp,  
(pp 590-592).

No 11, 1961, pp 659-662. JPRS 12724  
Anticorrosion Problems at the IASI  
Antibiotics Factory, by M. Iacob,  
7 pp.

Eastern Europe  
Economic (Contd)

Selected Articles From the Rumanian  
Periodical Revista Minelor, Vol XII.

No 5, 1961.

JPRS 12333

New Mining Equipment and Efforts  
to Improve the Quality of the  
Product, by I. Legrand, 11 pp,  
(pp 201-204).

Prospects of Enlarging the Assort-  
ment Produced by the UMMUN and of  
Manufacturing Other Mining Equip-  
ment in the Future, by I. Gramovschi,  
V. Trif, 4 pp, (pp 205, 206).

No 6, 1961.

JPRS 12658

Metallogenetic Provinces and Eras  
in the RPR, by R. Dimitrescu, 9 pp,  
(pp 258-261).

Some Present Day Problems on the  
Application of Mechanization to  
Mining the Baia Mare Basin, by  
Al. Corpade, G. F. Popescu,  
10 pp, (pp 262-265).

No 7, 1961.

Contributions in the Development  
of Iron Ore Reserves, by I. Grigore,  
10 pp, (pp 287-290).

JPRS 12658

Contributions to the Geological  
Study of the Velse Jiului Coal Basin,  
by I. Marinescu, 15 pp, (pp 291-296).

JPRS 12658

Comparative Study of Drills Manu-  
factured in Rumania and Abroad, by  
N. Letu, Alex. Darabant, P. Marian,  
17 pp, (pp 297-303).

JPRS 12653

No 8, 1961, pp 341-345.

JPRS 12658

Development in the Production of  
Iron Ore in Rumania During the Years  
of the People's Rule, 9 pp.

Eastern Europe  
Economic (Contd.)

Selected Articles From the Rumanian  
Periodical Stiinta si Tehnica.

JPRS 12658

Vol XII, No 6, 1961.  
The Discovery of the Capusu-Mic  
Iron Ore, by I. Cretu, 4 pp, (pp 6-7).

On the Hunedoara Plateau, by  
I. S. Gruescu, 5 pp, (pp 10-11, 45).

Vol XIII, No 5, 1961, pp 3, 4, 23.  
Progress Made Under the Six-Year  
Plan, by I. Marinescu, 6 pp.

Selected Articles From the Rumanian  
Periodical Standardizarea, Vol XIII.

No 5, 1961, pp 221-227.  
The Revision of Standards For  
General Purpose Allied Structural  
Steels, by R. Slatinescu, 14 pp.

JPRS 12658

No 6, May 1961, pp 247, 248.  
The Need to Revise STAS 1799-50  
The Control of Concrete Production,  
by C. Draghicescu, 5 pp.

JPRS 12658

No 7, 1961.  
Standardization, An Important  
Factor in the Development of  
Specialization and Cooperation in  
Industry, by I. Ene, 9 pp, (pp 332-335).

JPRS 12653

The Technical and Scientific Council  
for Standardization, by P. Teodorescu,  
5 pp, (pp 361-363).

No 11, 1961.  
New Instructions on the Functions  
of the Standardization Units of  
Central and Local Agencies, Plants,  
Economic Organizations, and Institutes,  
by O. Adler, 4 pp, (pp 562-564).

JPRS 12724

The Conference of National Standard-  
ization Organizations of the Socialist  
Countries, by S. Scadovschi, 5 pp,  
(pp 567, 568).



Eastern Europe  
Economic (Contd)

Contributions of the Maghiar Autonomous  
Regiune to Economic Geography, by  
Jeno Molnar, (NY-6998).  
RUMANIAN, per, Studia Universitatum  
Victor Babes et Bolyai, Vol III, No 5,  
1958, pp 105-111.

\*JPRS

Selected Articles From the Rumanian  
Periodical Tehnica Noua.

No 9 (301), 1 Mar 1961, pp 1, 4.  
Development of the Electric Power  
System, by Tudor Apostolache, 5 pp.

JPRS 12658

No 13, 29 Mar 1961, pp 1, 3.  
The Dynamics of the Technical-  
Economic Factors in the Designing  
of Thermoelectric Power Plants, by  
Nelu Vasilescu, 5 pp.

JPRS 12333

No 15 (307), 12 Apr 1961, pp 1, 2.  
The Bucharest-Central Transformer  
Station, by Gabriel Ionescu,  
Stefan Muller, 5 pp.

JPRS 12658

No 17, 26 Apr 1961, p 5.  
New Steel-Making Processes, by  
D. Stanescu, 4 pp.

JPRS 12653

No 39, 27 Sep 1961, p 1.  
Relon Utilization in the Machine  
Building, by Lucian Cornea, 5 pp.

JPRS 12473

No 47 (339), 22 Nov 1961, p 3.  
Use of Plastics in Industry, Con-  
struction, and Agriculture, by  
Gh. Vasilache, 6 pp.

JPRS 12424

No 48, Nov 1961, pp 1, 3.  
Modernization of Machine Tools  
From the Experience of the "Infra-  
tirea" Plant in Oradea, by  
P. Ianculescu, 3 pp.

JPRS 12333

Eastern Europe  
Economic (Contd)

Ferrous Metallurgy in Hungary, by  
Istvan Garamvelgi, (NY-7001).  
RUSSIAN, per, Metallurg, No 8, 1961,  
pp 38, 39.

\*JPRS

Eastern Europe  
Political

Leninism Is Our Victorious Arm, by  
Noreci Plasari, 25 pp.  
ALBANIAN, per, Rruga e Partise, No 1,  
1962, pp 10-22.

JPRS 12833

Historical Conclusions and Lessons,  
77 pp.  
BULGARIAN, per, Novo Vreme, No 1,  
1962, pp 3-17.

JPRS 12932

Non-Communist Manifesto of Contempo-  
rary Imperialism, by Josef Macek,  
19 pp.  
CZECH, per, Nova Mysl, No 2, 1962,  
pp 196-205.

JPRS 12904

Communism in Our Time in Czechoslovakia,  
by Kjeld Osterling, 17 pp.  
DANISH, per, Tiden, Vol XXII, No 8,  
Dec 1961, pp 219-226.

JPRS 12901

Disarmament and the Albanian  
Workers' Party, by Charles Haroche,  
5 pp.  
FRENCH, np, France Nouvelle, No 850,  
31 Jan-6 Feb 1962, pp 23, 24.

JPRS 12617

Khrushchev's Battle With the Dogmatists  
by Heiden, by Hoist Heiden, 4 pp.  
GERMAN, per, Die Andere Zeitung,  
Vol VII, No 45, 9 Nov 1961, p 4.

JPRS 12571

Opening to the Left, 4 pp.  
GERMAN, np, Arbeiter-Zeitung, No 26,  
2 Feb 1962, p 1.

JPRS 12735

Deceptive Coexistence of Party Platform,  
by Carl Gustaf Strohm, 4 pp.  
GERMAN, np, Christ und Welt, Vol XIV,  
No 42, 20 Oct 1961, p 3.

JPRS 12571

Administrative Instructions of the  
Higher War Commissariat, No 1, Effective  
Beginning 1 January 1962.  
GERMAN, per, Der Fourier, No 2, 1962,  
pp 45-51.

\*ACSI I-1107  
ID 2191533

Eastern Europe  
Political (Contd)

Weber's Analysis of CPSU Program, by  
Heinz Weber, 7 pp.  
GERMAN, np, Handelsblatt, Vol XVI,  
No 208, 27-28 Oct 1961, p 14.

JPRS 12571

Fuernberg Speaks on State, Communism  
and Morality, by Friedl Fuernberg,  
13 pp.  
GERMAN, per, Weg und Ziel, Vol XIX,  
No 11, 1961, pp 695-708.

JPRS 12571

Leonhard Discusses Surprises at  
Party Congress, by Wolfgang Leonhard,  
7 pp.  
GERMAN, np, Die Zeit, Vol XVI, No 44,  
27 Oct 1961, p 3.

JPRS 12571

Scientific Progress and Contemporary  
Theology, by Jozsef Lukacs, (DC-6680).  
HUNGARIAN, per, Tarsadalmi Szemle,  
No 10, 1961, pp 66-85.

\*JPRS

Real Income of the Farm Population  
From Agricultural Production During  
1956-1960, 13 pp.  
POLISH, per, Biuletyn Statystyczny,  
No 12, 1961.

JPRS 12940

Integration Processes in Western  
Europe and Their Influence on Polish  
Foreign Trade, by Bohdan Laczkowski,  
10 pp.  
POLISH, per, Gospodarka Planowa, No 5,  
1961, pp 34-38.

JPRS 12655

The XXII Congress of the CPSU -- Rich  
Source of Teachings for the Communist  
Movement, 14 pp.  
POLISH, per, Lupta de Clasa, Vol XLI,  
Series V, No 12, 1961, pp 7-18.

JPRS 12574

Eastern Europe  
Political (Contd)

The Building of Communism in the  
USSR and the Development of Economic  
Cooperation by Socialist Countries,  
by Henryk Rozanski, 4 pp.  
POLISH, per, Nowe Drogi, No 12,  
1961, pp 88-99.

JPRS 12655

Content and Forms of Unity, by  
Mieczyslaw F. Rakowski, 9 pp.  
POLISH, per, Nowe Drogi, No 1,  
1962, pp 104-111.

JPRS 12397

Eastern Europe  
Military

Yugoslavian Army, Navy, Air Force,  
Paramilitary Establishments, and  
Obituaries, 48 pp.  
CROATIAN, np, 13 Oct 1961-17 Nov 1961.

JPRS 12800

Military Crimes, 7 pp.  
CZECH, rpt, Sbirka Zabonu, 8 Dec 1961,  
pp 504-507.

JPRS 12800

Governmental Order No 148 of 8 December  
1962 Concerning Maintenance Contribu-  
tions During Participation in Military  
Maneuvers, 5 pp.  
CZECH, rpt, Sbirka Zakonu Ceskoslovenske  
Socialisticke Republiky, 27 Dec 1961,  
Section 70, pp 601, 602.

JPRS 12800

Passenger Aircraft of the Future, by  
J. Cervenka.  
CZECH, per, Kridla Vlasti, 11 Apr 1961,  
pp 14-16.

\*FTD-TT-62-397

Markings of Fire Brigade Chiefs, 4 pp.  
CZECH, per, Pozarni Technika, No 12,  
1961, p 235.

JPRS 12800

Military Basic Training, Training of  
Newly Inducted Soldier, 6 pp.  
GERMAN, rpt, Militarische Grundauss-  
bildung, Ausbildung neu Eingestellter  
Soldaten, pp 18-22.

ACSI I-0895  
ID 2191506

We Drove Rapid Transporter B1000,  
4 pp.  
GERMAN, per, Deutsche Strassenverkehr,  
No 1, 1962, pp 8, 9.

ACSI I-0974  
ID 2191527

Supply Services, by Kurz, 3 pp.  
GERMAN, per, Der Fourier, Vol XXXIII,  
No 8, 1960, pp 281-284.

ACSI H-7897  
ID 2191525

Eastern Europe  
Military (Contd)

Selected Articles From the German  
Periodical Militaerwesen.

JPRS 12800

No 3, 1960, pp 487-496.  
Problems in the Redistribution of  
Troops, by G. Kunze, 11 pp.

No 7, 1960, pp 1295-1303.  
Destroying Ground Targets With  
Fighter Bombers, by K. Slomke,  
9 pp.

No 8, 1960.  
Forced Crossing of Water Obstacles,  
by B. Behring, M. Schneider, 9 pp,  
(pp 497-505).

Robur-LD 1800 A: A New Cross  
Country Truck, by H. Strohbach,  
6 pp, (pp 591-595).

Specifications and Operation of the  
Modern Flame Thrower, 8 pp.  
GERMAN, per, Militartechnik, 1961,  
pp 174-177.

ACSI I-0907  
ID 2191508

How Can Armament Technology as a  
Vital Element of Defense Be Most  
Efficiently Brought to Bear in the  
"Bundeswehr?", by Hermann Bauermeister,  
14 pp.  
GERMAN, per, Wehrtechnische Monatshefte,  
No 12, 1961, pp 512-524.

ACSI I-0747  
ID 2186170

Orders, Decorations and Distinctions,  
5 pp.  
POLISH, rpt, OUSARMA, Poland, Encl  
to R-515-61.

ID 2188835

Billeting of Soldiers, 4 pp.  
POLISH, rpt, Military Calender, 1962,  
pp 345-350, OUSARMA, Poland, Encl to  
R-534-61.

ID 2190324

Eastern Europe  
Military (Contd)

Radioelectronics in the Service of  
Troops /Forces/, by Jan Szarek, 2 pp.  
POLISH, rpt, Radioelektronika na Usługach  
Wojsk, Encl No 1 to R-496-61 ARMA POLAND,  
1961, pp 62, 104-106.

ACSI I-0786  
ID 2186176

Law of 31 January 1961: Modification of  
Regulations of the Military Penal  
Procedure Code, 6 pp.  
POLISH, np, Dziennik Ustaw, No 6,  
10 Feb 1961.

JPRS 12276

Comments on General Naval Tactics,  
by Eugeniusz Szpitun, 8 pp.  
POLISH, per, Przegląd Morski, No 7-8,  
1961, pp 17-23.

JPRS 12800

Supersonic Equipment for Vessels, by  
Alfred Kowalski, 13 pp.  
POLISH, per, Przegląd Morski, Vol XIV,  
No 12, 1961, pp 49-60.

JPRS 12800

The Training of Medical Personnel  
Aboard Ship, by Zbigniew Kaluzynski,  
3 pp.  
POLISH, per, Przegląd Morski, Vol XIV,  
No 12, 1961, pp 67-69.

JPRS 12800

A. The Surprise Stars Kept Quiet, by  
B. Jagielski.  
B. The High Sky Is Calling For Me, by  
W. Wukolow, S. Kowalow.  
POLISH, per, Skrzydłata Polska, No 1  
(548), 1962, pp 4, 5, 16, 17.

\*FTD-TT-62-401

Jet Training Aircraft, by Z. Jankiewicz.  
POLISH, per, Skrzydłata Polska,  
No 2 (549), 1962, pp 8, 9.

\*FTD-TT-62-399

Jet Training Aircraft, by Z. Jankiewicz.  
POLISH, per, Skrzydłata Polska, No 3  
(549), 1962, pp 8, 9.

\*FTD-TT-62-400



Eastern Europe  
Military (Contd)

Civil Air, Poland, 3 pp.  
POLISH, np, Trybuna Ludu, 22 Dec 1961,  
OAIRA, Warsaw.

ID 1499516

Tactics of Armored Troops in the  
Past and in the Future, by Aleksander  
Cierpicki, 9 pp.  
POLISH, per, Wojsko Ludowe, Sep 1961,  
pp 51-57.

JPRS 12276

Air Operations in Naval Warfare, by  
W. Czarnecki, 5 pp.  
POLISH, per, Wojskowy Przegląd  
Lotniczy, Vol XV, No 12, 1961, pp 27-32.

JPRS 12800

The Passive Defense of Bombers Against  
Fighter Planes, by J. Ostrowski, 12 pp.  
POLISH, per, Wojskowy Przegląd  
Lotniczy, Vol IX, No 15, 1961,  
pp 3-13.

JPRS 12800

Selected Articles From the Polish  
Newspaper Zolnierz Wolnosci.

Nov 1961, p 2.  
Marksmanship Is no Longer a Problem,  
by Romuald Szulewski, 3 pp.

JPRS 12800

14 Nov 1961, pp 1, 4.  
New Union Contract for Civil  
Workers of Military Institutions,  
3 pp.

JPRS 12800

23 Nov 1961, p 5.  
Information for Applicants Seeking  
Admission to the Military Technical  
Academy, 3 pp.

JPRS 12276

No 6, 1962, OUSARMA, Poland,  
Encl to R-12-62.  
Training Methods and the Possibili-  
ties Available Today, by Aleksander  
Liga, 3 pp.

ID 2192158

Eastern Europe  
Military (Contd)

Selected Articles From the Polish  
Newspaper Zolnierz Wolnosci. (Contd)

No 15, 1962, OUSARMA, Poland,  
Encl to R-42-62.  
Training Methods and the Possibili-  
ties Existing Today, by Aleksander  
Ligaj, 4 pp.

ID 2192428

Contributions to the Study of Intestinal  
Parasitoses in a Military Environment,  
by M. Diaconescu, C. Marinide.  
RUMANIAN, per, Revista Sanitara Militara,  
Vol LV, No 5, 1959, pp 778-786.

ACSI H-8075-A  
ID 2158066

Supplying Military Units With Water, by  
M. Gr. Merenteanu, D. Baroi.  
RUMANIAN, per, Revista Sanitara  
Militara, Vol LV, No 5, 1959, pp 787-800.

ACSI H-8075-B  
ID 2158066

The I. A. R. 818: A New Model  
Rumanian Aircraft, by Dan Andreescu,  
3 pp.  
RUMANIAN, per, Tehnica Noua, Vol VIII,  
No 16 (308), 19 Apr 1961, p 5.

JPRS 12800

Eastern Europe  
Geographic

The Great 1958 Landslide on the Chalk  
Cliff North of Sassnitz on Ruegen,  
by Theodor Hurtig, 17 pp.

GERMAN, per, Geographische Berichte,  
Vol VI, No 18, Feb 1961, pp 1-9.

JPRS 12488

Report of the Meeting of the Economic  
Geography Section of the Geographic  
Society of the German Democratic  
Republic, 29 September 1960 to  
1 October 1960, by G. Kehrler, W. Menge,  
7 pp.

GERMAN, per, Geographische Berichte,  
Vol VI, No 18, Feb 1961, p 68.

JPRS 12388

New Trends in the Hungarian Settle-  
ments, by Michael Haltenberger,  
(NY-6996).

GERMAN, per, Geographische Rundschau,  
Vol XIII, No 11, 1961, pp 432-438.

\*JPRS

Change in the Boundaries of Towns,  
Cities and Counties, 15 pp.  
POLISH, per, Dziennik Ustaw, No 46,  
21 Oct 1961, No 49, 16 Nov 1961,  
No 51, 29 Nov 1961, Encl to R-491-61.

ID 2188525

Eastern Europe  
Sociological

Questions on Literary Criticism, by  
Bogomil Nonev, 7 pp.  
BULGARIAN, np, Rabotnichesko Delo,  
No 21, 21 Jan 1962, p 3.

JPRS 12575

Today Is Childbirth Aid Day, by  
Il. Shturkalev, 5 pp.  
BULGARIAN, np, Rabotnichesko Delo,  
21 Jan 1962, p 26.

JPRS 12703

Progress in Public Health, by  
Petur Kolarov, 9 pp.  
BULGARIAN, np, Rabotnichesko Delo,  
27 Jan 1962, p 2.

JPRS 12703

The Place and the Role of the Upper  
Administrative School in the New  
System of Higher Education, by  
Shefkiya Puzich, 8 pp.  
CROATIAN, per, Narodna Uprava,  
No 3/4, 1961, pp 137-140.

JPRS 12622

Our New Ordinances on Rules and  
Regulations Permitting Abortion,  
by Muhidin Suleimanpashich, 7 pp.  
CROATIAN, per, Narodna Uprava, No 3/4,  
1961, pp 142-144.

JPRS 12622

Free Choice of Doctors, by  
Joseph Konforti, 6 pp.  
CROATIAN, per, Narodna Uprava,  
No 5, 1961, pp 180-182.

JPRS 12622

Establishment of a New System for the  
Financing of Physical Culture in the  
Community, by Selmo Hashimbegovich, 6 pp.  
CROATIAN, per, Narodni Odbor, Vol XIV,  
No 12, 1961, pp 649-653.

JPRS 12698

The System and Organization of Legal  
Assistance in Accordance With General  
Progress in our Country, by  
Dushan Aranjelovich, 11 pp.  
CROATIAN, per, Narodni Odbor,  
Vol XIV, No 12, 1961, pp 680-683.

JPRS 12698

Eastern Europe  
Sociological (Contd)

First Experiences With the Carrying  
Into Effect of the General Law on the  
Organization of the Health Service,  
by Sasa Javorina, 17 pp.

CROATIAN, per, Nova Administracija,  
No 10, 1961, pp 823-831.

JPRS 12698

The Physician-Specialists, by  
Peter Stojanovic, 4 pp.

CROATIAN, per, Politika, 11 Jan 1962.

JPRS 12723

Workers Self-Management and the  
Consciousness of Workers, by  
Olga Kozomara, 19 pp.

CROATIAN, per, Pregled, Vol XIII,  
No 7/8, 1961, pp 57-70.

JPRS 12469

Status and Problems of Schools With  
Practical Training, by Mikail Krstic,  
53 pp.

CROATIAN, per, Produktivnost, No 7/8,  
1961, pp 507-516.

JPRS 12364

Adult Education -- Basic Problems and  
Possibilities for Their Solution, by  
Dragomir Filipovic, 33 pp.

CROATIAN, per, Produktivnost, No 10,  
1961, pp 669-674.

JPRS 12622

The School Centers in the System of  
Training Professional Personnel, by  
Ratko Jovicic, 28 pp.

CROATIAN, per, Produktivnost, No 10,  
1961, pp 675-680.

JPRS 12622

Research in Problems of Delinquent  
Youth in Slovenia, by Bronislav Skabarne,  
29 pp.

CROATIAN, per, Socijalna Politika,  
No 11, 1961, pp 1002-1013.

JPRS 12703

Scholarships to Students in the High  
Schools, by B. Dumic, D. Petrovic,  
18 pp.

CROATIAN, per, Socijalna Politika,  
No 11, 1961, pp 1021-1027.

JPRS 12703

Eastern Europe  
Sociological (Contd)

Demographic Sympostum in Smolenice,  
V. Srb, 4 pp.

CZECH, per, Demografie, Vol III, No 3,  
1961, pp 264, 265.

JPRS 12622

Concepts of the Extent of Subject Matter  
Covered by Schools of the Second Cycle,  
34 pp.

CZECH, per, Priloha Vestniku Ministerstva  
Skolstvi a Kultury, Vol XVII, No 12,  
10 Feb 1961, pp 1-12.

JPRS 12723

Selected Articles From the Czech  
Periodical Vestnik Ministerstva  
Skolstvi a Kultury.

Vol XVII, No 12, 10 Feb 1961, pp 114-116.  
Pronouncement of the President of the  
Czechoslovak Academy of Sciences and  
the Minister of Education and Culture  
on 9 December 1960, and the Organization  
of the Training of New Scientific  
Workers, by Sorm, Frantisek Kahuda,  
8 pp.

JPRS 12723

Vol XVII, No 25, 10 Aug 1961, pp 305-308.  
Instruction No. 59 of the Czechoslovak  
Ministry of Education and Culture, 10 pp.

JPRS 12723

Vol XVII, No 26-27, 20 Aug 1961,  
pp 313-315.  
The Stand of the Central Committee of  
the Czechoslovak Union of Youth on  
Questions of Educational Activity of  
the Pioneer Organization of the Union  
in the School Year 1961-1962, 4 pp.

JPRS 12723

Vol XVII, No 31, 30 Sep 1961, pp 341-346.  
Laws, Statutes, Decrees, and State  
Directives, 27 pp.

JPRS 12364

Eastern Europe  
Sociological (Contd)

Selected Articles From the Czech  
Periodical Vestnik Ministerstva  
Skolstvi a Kultury. (Contd)

Vol XVII, No 33/34, 31 Oct 1961.  
The **Network** of Intermediate  
Specialized Schools in the Third  
Five-Year Plan, by V. Hendrych,  
26 pp, (pp 368-373).

JPRS 12698

Organizational Principles for the  
Activities of Experimental Schools,  
by O. Simacek, 6 pp, (pp 373-375).

Announcements of Fulfillment of  
Dissertation for Docents of Higher  
Schools, 4 pp, (pp 379, 380).

Information on Tourist Travel in the  
German Democratic Republic, 25 pp.  
DANISH, rpt, Information om Individuelle  
Turistrejser i den Tyske Demokratiske  
Republik.

JPRS 12806

Czechoslovakia and the Soviet Blockade  
of Albania, by Zdenek Suda, 5 pp.  
FRENCH, per, Est & Ouest, Vol XIV,  
No 272, Feb 1962, p 7.

JPRS 12900

Report on Happenings and Employment of  
the Schutz - und Bereitschaftspolizer  
[Security Police and Standby Police]  
From 13 August to 13 November 1961, 18 pp.  
GERMAN, rpt, Bericht uber Ereignisse und  
Einsatz der Schutz - und Bereitschaftspolizei  
vom 13. 8.-13. 11. 1961, 13 Aug-13 Nov 1961.

ACSI I-0685  
ID 2186155

Communication of the Higher Schools  
Department of the Ministry of National  
Education on the Future Conduct of  
Instruction in General Schools Starting  
January 1962, by Beier, 9 pp.  
GERMAN, np, Deutsche Lehrerzeitung,  
No 50, 15 Dec 1961, p 5.

JPRS 12703

Eastern Europe  
Sociological (Contd)

Establishments for Vocational Training,  
by Hasler, 3 pp.

GERMAN, np, Deutsche Lehrerzeitung,  
No 50, 15 Dec 1961, p 5.

JPRS 12703

My Experiences in the Development of a  
School Collective, by Johannes Turczynski,  
18 pp.

GERMAN, per, Paedagogik, Vol XVI, No 10,  
1961, pp 900-909.

JPRS 12364

Retirement and Pensions, 5 pp.

POLISH, rpt, 1961, OUSARMA, Poland,  
Encl to R-519-61.

ID 2188833

Selected Articles From the Polish Periodical  
Farmacja Polska, Vol XVII.

JPRS 12589

No 12, 25 Jun 1961, pp 250, 251.

Report From the Warsaw Pharmaceutical  
Section, 11 pp.

No 13, 10 Jul 1961.

Report From the Administration of  
Pharmacies of the Wroclaw Wojewodztwo,  
5 pp, (p 268).

Conditions of Postgraduate Training  
in Pharmacy, 11 pp, (p 278).

No 18, 23 Sep 1961, p 391.

Report From the Krakow Branch of the  
Polish Pharmaceutical Society, 11 pp.

National Conference on School Hygiene, by  
J. Kopczynska, 3 pp.

POLISH, per, Pediatrica Polska, Vol XXV,  
No 8, 1960, pp 933, 934.

JPRS 12564



Eastern Europe  
Sociological (Contd)

Selected Articles From the Polish  
Periodical Zdrowie Publiczne,  
No 4, 5, 1961.

JPRS 12703

Industrial Injuries and the Problems  
of Industrial Safety and Hygiene, by  
Maria Boguszewska, 13 pp, (pp 305-312).

Accidents and Conditions of Safety  
and Hygiene in Farming, by  
J. Freytag, W. Pleszczynski, 5 pp,  
(pp 339-343).

Economic Effects of Sickness  
Absenteeism in Poland Based on a  
Study of Accidents, by  
Krystyna Miesowiczowa, 6 pp,  
(pp 345-349).

Child Casualties in the Years  
1953-1960, by I. Gizycka,  
Halina Kotorowicz, 15 pp, (pp 387-398).

Role of the Theoretical Work of the Party  
in the Triumph of Socialism and Development  
of Philosophic and Sociopolitical Thought  
in Rumania, 19 pp.  
RUMANIAN, per, Cercetari Filozofice, Vol III,  
No 5, 1961, pp 1059-1074,

JPRS 12550

Growth of the Role of the Collective in  
Development of the Socialist Juridical and  
Moral Awareness of the Workers, by  
M. Popovici, 16 pp.  
RUMANIAN, per, Cercetari Filozofice, Vol III,  
No 5, 1961, pp 1097-1111.

JPRS 12550

Important Tasks Facing the Labor Hygiene  
Sections in the Sanepids, by E. Andreescu, 5 pp.  
RUMANIAN, pp, Muncitorul Sanitar, Vol XII,  
No 50 (602), 16 Dec 1961, p 2.

JPRS 12364

Methods for Planning the Activity of the  
Labor Hygiene Sections in the Sanepids, by  
I. Dascalu, 4 pp.  
RUMANIAN, pp, Muncitorul Sanitar, Vol XII,  
No 51 (603), 23 Dec 1961, p 3.

JPRS 12364

Eastern Europe  
Biographic

Professor Dimitur Dalev, 60 Years Old,  
5 pp.  
BULGARIAN, per, Farmatsiya, Vol XI,  
No 1, 1961, pp 3, 4.

JPRS 12585

Seventieth Birthday of Prof Dr Jaroslav  
Jedlicka, by Josef Plojhar, Rudolf Krivinka,  
17 pp.  
CZECH, per, Rozhledy v Tuberkulose a  
Nemoech Pliecnich, Vol XXI, No 6, 1961,  
pp 418-425.

JPRS 12815

Sixtieth Birthday of Frantisek Nemejc,  
Doctor of Natural Sciences and University  
Professor, by Blanka Pacltova, 4 pp.  
CZECH, per, Vestnik Ustredniko Ustavu  
Geologickeho, Vol XXXVI, No 3, 1961,  
pp 237-239.

JPRS 12418

Biography of Dr. Aladar Schleicher, by  
Jozsef Vero, (NY-6922).  
HUNGARIAN, per, A Magyar Akademia  
Muszaki Tudomnyok Osztalyanak  
Kozlemenyei, Vol XXIX, No 1/4, 1961,  
pp 39-42.

\*JPRS

Biography of Dr H. Mlodecki, 13 pp.  
POLISH, per, Farmacja Polska, Vol XVII,  
No 15/16, 25 Aug 1961, p 334.

JPRS 12589

NORTHERN EUROPE

Economic

Schematic Outline to the Regional  
Plan for Urban Development up to 1980  
in Copenhagen, Frederiksberg and  
Roskilde Counties, 25 pp.  
DANISH, rpt, Principskitse til Egnssplan  
for Byudviklingen Indtil 1980 i  
Kobenhavn, Frederiksborg og Roskilde  
Amter, Dec 1961, 47 pp.

ACSI I-0817  
ID 2186180

Railroad Shipments of Unusually Heavy  
or Bulky Items, 10 pp.  
FINNISH, per, Rautatie Liikenne, No 10,  
1961, OUSARMA, Finland, Encl to R-12-62.

ID 2192172

Selected Articles From the Icelandic  
Periodical Frjals Verzlun.

ACSI I-0680  
ID 2186154

Vol I, 1960, pp 17-20.

A. Vestmannaeyjar, by Gudlaugur  
Gislason, 11 pp.

Vol II, 1960, pp 5-8.

B. Isafjordur - Its Development and  
Future, by Matthias Bjarnason, 7 pp.

Vol III, 1960, pp 10-15.

C. The Development of the Road  
System in Iceland, by  
Sverrir Scheving Thorsteinsson,  
15 pp.

Vol IV, 1960.

D. Studies of Road Surfaces and  
Concrete Pavements, by  
Sverrir Scheving Thorsteinsson,  
9 pp, (pp 8-12).

F. Akureyri, by Johas G. Rafnar,  
8 pp, (pp 16-19).

Northern Europe  
Economic (Contd)

Selected Articles From the Icelandic  
Periodical Frjals Verzlun. (Contd)

ACSI I-0680  
ID 2186154

Vol V, 1960, pp 19-23.  
E. Siglufjordur, by Stefan Fridbjarnarson,  
8 pp.

Vol VI, 1960, pp 9-12.  
G. Housing Shortage and Finished Streets,  
by Valdimar Kristinsson, 8 pp.

Utilization of Sawdust in the Wallboard  
Industry, by K. Helge.  
NORWEGIAN per, Norsk Skogindustri,  
Vol XI, No 4, 1957, pp 124-130.

CSIRO 3658

Railway Flora: Effects of a Century of  
Railway Development, by E. Almquist.  
SWEDISH, per, Svensk Botanisk Tidskrift,  
Vol LI, No 1, 1957, pp 223-263.

CSIRO 3675

Power Fuels Office Operations During 1959.  
SWEDISH, per, Svensk Intendentur  
Tidskrift, No 5, 1960, pp 113-121.

ACSI H-8795-A  
ID 2191501

A Comparative Study of Several Methods  
for the Determination of the Isotopes  
P<sup>32</sup>, and S<sup>35</sup> in Plant Material.  
SWEDISH, per, Svensk Paperstidning,  
Vol LIX, No 9, 1956, pp 329-334.

CSIRO 3636

Northern Europe  
Political

Danish Communist Party Chairman on 22d  
CPSU Congress, by Preben Henriksen, 7 pp.  
DANISH, np, Land og Folk, Vol XXI, No 76,  
20 Dec 1961, pp 9, 10.

JPRS 12632

Danish Communist Party Chairman on  
22d CPSU Congress, by Preben Henriksen,  
6 pp.  
DANISH, np, Land og Folk, Vol XXI, No 78,  
22 Dec 1961, pp 9, 10.

JPRS 12632

Danish Dissident Communist Analysis of the  
Moscow Trials of 1936-1938, by Junius, 6 pp.  
DANISH, np, SFNYT, Vol IV, No 1, 1962,  
pp 9, 12.

JPRS 12615

Comments From Danish Socialist Students  
on Principles and Goals, 5 pp.  
DANISH, np, SF, Ugeblad for Socialistisk  
Folkeparti, Vol III, No 39, 41;  
29 Sep 1961-13 Oct 1961.

JPRS 12568

Common Sense About Danish Foreign Policy,  
by Aksel Larsen, 14 pp.  
DANISH, np, SF, Ugeblad for Socialistisk  
Folkeparti, Vol III, No 42, 20 Oct 1961,  
pp 7-10.

JPRS 12568

A Danish View of De-Stalinization, by  
Kai Moltke, 5 pp.  
DANISH, np, SF, Ugeblad for Socialistisk  
Folkeparti, Vol III, No 48, 1 Dec 1961,  
pp 4, 10.

JPRS 12568

Danish Communist Criticism of Socialist  
People's Party, by Ib Norlund, 33 pp.  
DANISH, per, Tiden, Vol XXII, No 8, 1961,  
pp 207-218.

JPRS 12631

On the International Unity of the  
Communist Movement, by Ib Norlund, 28 pp.  
DANISH, per, Tiden, Vol XXIII, No 1,  
Jan/Feb 1962, pp 1-13.

JPRS 13048

Northern Europe  
Political (Contd)

An SF Writer's Arbitrariness, by  
Gelius Lund, 8 pp.  
DANISH, per, Tiden, Vol XXIII, No 1,  
Jan/Feb 1962, pp 15-17.

JPRS 13048

Repercussions of the 22d CPSU Congress --  
A Dutch Dissident Communist View, by  
Henk Gortzak, 10 pp.  
DUTCH, per, De Brug, Vol IV, No 16,  
Feb 1962, pp 1, 2.

JPRS 12900

Speech to Finnish Political Science  
Association, by Bruno Kreisky, 7 pp.  
FINNISH, Encl 1 to Desp 295, AmEmbassy,  
Helsinki, 12 Dec 1961.

Dept of State

Speech on Neutrality and National  
Defense, by President Urho Kekkonen, 5 pp.  
FINNISH, Encl 1 to Desp 338, AmEmbassy,  
Helsinki, 2 Jan 1962.

Dept of State

Two Campaign Speeches, by Kekkonen,  
11 pp.  
FINNISH, Encl 1, 2, to Desp 355,  
AmEmbassy, Helsinki, 9 Jan 1962.

Dept of State

Agreement on Icebreaker Cooperation,  
7 pp.  
FINNISH, Encl 1 to 22-62 to USNA,  
Helsinki, 24 Jan 1962.

Dept of Navy  
ONI 5137995

Speech on Occasion of Re-election, by  
Urho Kekkonen, 4 pp.  
FINNISH, Encl 1 to Desp 439, AmEmbassy,  
Helsinki, 15 Feb 1962.

Dept of State

Finnish Political Party Programs, 8 pp.  
FINNISH, np, Helsingin Sanomat,  
31 Jan 1962; Encl 1 to Desp 411,  
AmEmbassy, Helsinki, 2 Feb 1962;  
Embdes 389, 26 Jan 1962.

Dept of State

Northern Europe  
Political (Contd)

Finnish Communist Leader on the Dangers  
of Alliances With Capitalists, by  
Aimo Aaltonen, 4 pp.  
FINNISH, np, Kansan Uutiset, 4 Feb 1962,  
p 4.

JPRS 12780

Ville Pessi Reports to Finnish CP  
Central Committee, on CPSU 22d Congress,  
by Ville Pessi, 9 pp.  
FINNISH, per, Kommunisti, No 10, 1961,  
pp 368-373, 376.

JPRS 12871

Conflict at the Stockholm World Peace  
Council, 5 pp.  
ITALIAN, np, l'Unita, 23 Dec 1961, p 11.

JPRS 12693

New Year's Day Address, by Einar Gerhardsen,  
5 pp.  
NORWEGIAN, Encl 1 to Desp 303, AmEmbassy, Oslo,  
8 Jan 1962.

Dept of State

Interview With Finland's President Kekkonen,  
4 pp.  
NORWEGIAN, np, Arbeiderbladet, 8 Feb 1962;  
Encl 1 to Desp 357, AmEmbassy, Oslo,  
9 Feb 1962.

Dept of State

Norwegian Article Views CPSU Program, by  
H. Holm, 4 pp.  
NORWEGIAN, np, Friheten, Vol XXI, No 280, 281,  
3/4 Dec 1961.

JPRS 12568

The Party -- Yesterday, Today, and in the  
Future, by Henry Hoff, 11 pp.  
NORWEGIAN, np, Friheten, Vol XXII, No 21/22,  
25/26 Jan 1962.

JPRS 12618

Communism, Larsen Model.  
SWEDISH, per, Industria, No 5, 1961,  
pp 56-59, 67, 80.

Navy Tr 3039/ONI 876

From Dictatorship of the Proletariat to  
Social Self-Government, by Axel Jansson,  
7 pp.  
SWEDISH, np, Ny Dag, No 25, 31 Jan 1962, p 2.

JPRS 12618

26 February Statement on Workers' Demands  
in Connection With Fall Elections, 5 pp.  
SWEDISH, np, Ny Dag, 24, 26 Feb 1962.

JPRS 12900

Northern Europe  
Military

Selected Articles From the Norwegian  
Periodical Nytt Fra Hkt, No 1, 1958,  
Encl No 1 to R-207-58.

ACSI I-0972  
ID 2085219

A. Horse Company, by Johan Bye, (p 14).

B. Carts in Our Horse Companies, by  
Johan Bye, (p 19).

C. Use of Horse Companies in the  
Field, by Truls Egge, (p 20).

D. Obsolete Blood in the Horse Units  
by Arve Rolstad, (p 29).

Procurement of the M/60 Uniform.  
SWEDISH, per, Svensk Intendentur  
Tidskrift, No 5, 1960, pp 140, 141.

ACSI H-8795-B  
ID 2191501

Military Food Rationing - Some Facts, 7 pp.  
SWEDISH, per, Tidskrift Militar Halsovard,  
No 1, 1961, 7 pp.

ACSI I-0857  
ID 2186194



NEAR EAST/AFRICA

Economic

Iraq's Five Year Economic Plan,  
28 pp.  
ARABIC, Encl 1 to Desp 400, AmEmbassy,  
Baghdad, 5 Dec 1961.

Dept of State

Agreement of Economic Cooperation  
Between the Iraqi Republic and the  
Syrian Arab Republic, 10 pp.  
ARABIC, Encl 1 to Desp 433, AmEmbassy,  
Baghdad, 23 Dec 1961; CERP: D-13.

Dept of State

Boycott of Israel Notifications, 12 pp.  
ARABIC, Encl 1 to Desp 434, AmEmbassy,  
Baghdad, 23 Dec 1961; CERP, Section D,  
Item f.

Dept of State

High Dam Electricity for Wadi Al-Jadid  
From Atomic Energy Station, 4 pp.  
ARABIC, np, Al-Ahram, Vol LXXXVII,  
No 27385, 4 Dec 1961, p 15.

JPRS 12464

LE 3.5 Million Spent in Building New  
Roads For Wali Al-Jadid, 4 pp.  
ARABIC, np, Al-Ahram, Vol LXXXVII,  
No 27385, 4 Dec 1961, p 16.

JPRS 12464

Interministerial Instruction Concerning  
the Presentation of Applications Made  
to Benefit From the Provisions of the  
Investment Code, 7 pp.  
FRENCH, Encl 1 to Desp 126, AmEmbassy,  
Tananarive, 2 Feb 1962; CERP, D-13;  
Embassy's D-89, 28 Dec 1961, D-81,  
7 Dec 1961.

Dept of State

Trade and Payments Agreement Between  
Lebanon and Poland, 13 pp.  
FRENCH, np, Le Commerce du Levant,  
Nov 1961; Encl 1 to Desp 338, AmEmbassy,  
Beirut, 21 Dec 1961; CERP, D-13;  
Embd 68, 2 Aug 1960.

Dept of State

Near East/Africa  
Economic (Contd)

Trade and Payments Agreement Between  
Lebanon and Czechoslovakia, 13 pp.  
FRENCH, np, Le Commerce du Levant,  
22 Nov 1961; Encl 1 to Desp 340, AmEmbassy,  
Beirut, 22 Dec 1961; CERP, D-13.

Dept of State

The National Industrial Potential and  
National Defense.  
GREEK, rpt, Athanasios Giannouloupoulos,  
Col Infantry, 1958, pp 44-49.

\*ACSI I-0978  
ID 2191524

Selected Articles From the Hebrew  
Newspaper  Davar.

9 Nov 1961.  
Action Plan of the Histadrut, 4 pp,  
(p 3).

JPRS 12793

A. Becker Outlines Activity for Next  
Two Years, 27 pp, (pp 3, 4).

The Kuppas Cholim Needs Additional  
Income, by M. Sorokah, 6 pp, (p 4).

9, 10 Nov 1961.  
Y. Levy Submits Budget of Executive  
Committee for 1962, 15 pp.

19 Nov 1961.  
We Should Not Set an Example for  
the Raising of Taxes, by E. Drukman,  
4 pp, (p 4).

JPRS 12793

Unorganized Workers Endanger His-  
tadrut Achievements, by Y. Haskin,  
4 pp, (p 5).

JPRS 12879

Workers Should Share Company Pro-  
fits, by D. Tsimand, 4 pp, (p 5).

JPRS 12879

Stabilization of the Worker's Economy  
and Activity in the Development  
Areas, by Y. Efter, 3 pp, (p 5).

JPRS 12879

Near East/Africa  
Economic (Contd)

Selected Articles From the Hebrew  
Newspaper Davar. (Contd)

19 Nov 1961.

There Has Been a Change for the  
Worse, by M. Aram, 6 pp, (p 5).

JPRS 12879

Budget of the Histadrut Must Provide  
More for Manufacturing Enterprises,  
by K. Bialer, 3 pp, (p 5).

JPRS 12879

21 Nov 1961.

Tax Increase Necessary, by U. Alpert,  
3 pp, (p 4).

JPRS 12879

Workers Economy Will Continue Its  
Pioneering Tasks, by Z. On, 4 pp,  
(p 4).

Expanding Housing for Families With  
Many Children, by 'E. Haddad, 4 pp,  
(p 5).

Budget of Kuppat Cholim Must Be Balanced  
From Members' Dues, by Y. Shapira, 3 pp,  
(p 5).

Operation of the Port of Istanbul, 6 pp.  
TURKISH, rpt, Nov 1961, OUSARMA, Turkey,  
Encl to R-377-61.

ID 2189771

Near East/Africa  
Political

Budget For Fiscal Year 1381-1382  
Statement "B" Expenditures, 7 pp.  
ARABIC, Encl 3-4 to Desp 188, AmEmbassy,  
Jidda, 18 Jan 1962; CERP, B-200;  
Embtel 354, 9 Dec 1961; Embdes 164,  
12 Dec 1961.

Dept of State

Budget Statement of the Minister of  
Finance, 5 pp.  
ARABIC, Encl 5 to Desp 188, AmEmbassy,  
Jidda, 18 Jan 1962; CERP, B-200;  
Embtel 354, 9 Dec 1961; Embdes 164,  
12 Dec 1961.

Dept of State

National Democrats Throughout the  
Republic Celebrate the Return of Al  
Ahali to Publication, 5 pp.  
ARABIC, np, Al Ahali, 25 Aug 1961,  
p 4.

JPRS 12840

Memorandum of the Democratic National  
Party Karbala' Province Branch, Con-  
cerning the Province's Problems, 4 pp.  
ARABIC, np, Al Ahali, 27 Aug 1961,  
pp 1-5.

JPRS 12840

The Case of the Arab Refugees in Its  
Newest Stage, by Emil Tuma, 4 pp.  
ARABIC, np, al-Ittihad, Vol XVIII,  
No 33, 1 Sep 1961, p 2.

JPRS 12569

New Ideology of the Mapai Arab  
Zionists, by Emil Tuma, 5 pp.  
ARABIC, np, al-Ittihad, Vol XVIII,  
No 34, 5 Sep 1961, p 2.

JPRS 12569

Secretary General of Israeli Communist  
Party Says the Party Will Continue  
Struggle for a Government Without  
Ben Gurion, by Samuel Mekones, 3 pp.  
ARABIC, np, al-Ittihad, Vol XVIII,  
No 35, 8 Sep 1961, p 2.

JPRS 12569

Near East/Africa  
Political (Contd)

Certain Legislative and Administrative Texts From Selected Issues of the United Arab Republic Publications, 71 pp.

ARABIC, np, Al-Jaridah ar-Rasmiyyah, Al-Waga'e al-Masriyyah, 26 Nov-21 Dec 1961.

JPRS 12401

New Year's Speech and the 1962 National Budget, by President Maga, 5 pp.

FRENCH, Encl 1 to Desp 105, AmEmbassy, Cononou, 18 Jan 1962; CERP B-200.

Dept of State

Good and Bad Fortunes of Communism in Africa, 12 pp.

FRENCH, per, Est et Quest, Vol XIV, No 271, 16-31 Jan 1962, pp 1-5.

JPRS 12627

II. Communism in Southern Africa, by Nicolas Lang, 8 pp.

FRENCH, per, Est et Quest, Vol XIV, No 271, 16-31 Jan 1962, pp 5-7.

JPRS 12627

The National Liberation Movement and the Algerian Experience, by Sadek Hadjeres, 17 pp.

FRENCH, np, France Nouvelle, No 850, 31 Jan-6 Feb 1962, pp 21-23.

JPRS 12735

Tunisian Communist Party Secretary on the 22d CPSU Congress, by Mohamed Harmel, 7 pp.

FRENCH, per, Tribune du Progres, No 12-13, Nov-Dec 1961, pp 7, 11.

JPRS 12612

The New Fiscal Regime, 17 pp.

FRENCH, np, La Vie Economique, 29 Dec 1961; TOAID A-220.

Dept of State  
Intl Corp Admin

Operating Rule Book - 1953.

GREEK, bk, Genikos Kanonismos Kiniseos - 1953, Encl No 6 to R-468-55, Army - A Greece, 173 pp.

\*ACSI I-1057  
ID 1298071

Near East/Africa  
Political (Contd)

FLN Member Discusses the Arab-Israeli Dispute, by Robert Mizrahi, 5 pp.

HEBREW, np, Al Hamishmar, 28 Jul 1961, p 3.

JPRS 12696

Ehrenberg Severely Criticized, by Marc Geffen, 4 pp.

HEBREW, np, Al Hamishmar, 28 Jul 1961, p 4.

JPRS 12696

For Renewed Vigor in Histadrut Activities, by A. Becker, 6 pp.

HEBREW, np, Davar, 19 Nov 1961.

JPRS 12879

Histadrut's Place in the Light of Its Great Mission, by Berl Repetur, 6 pp.

HEBREW, np, Davar, 21 Nov 1961, p 5.

JPRS 12879

Selected Articles From the Hebrew Newspaper Kol Haam.

8 Sep 1961.

JPRS 12569

The Facts Speak for Themselves on Soviet Nuclear Testing, by Dov Meron, 4 pp.

22 Sep 1961, p 2.

JPRS 12569

Katanga and the Moral for Israel, by Dov Meron, 3 pp.

29 Sep 1961, pp 1, 6.

JPRS 12569

Background of the Syrian Revolt, 3 pp.

No 4487, 19 Nov 1961, p 2.

JPRS 12719

Israeli Delegate Describes Conference of International Federation of Democratic Women Budapest, October 1961, by Doba Yaffe, 6 pp.

Near East/Africa  
Political (Contd)

Selected Articles From the Hebrew  
Newspaper Kol Haam. (Contd)

No 4526, 3 Jan 1962, pp 1, 3. Report on Conference of Central Committee of Federation of Com- munist Youth of Israel, 4 pp.	JPRS 12613
22 Jan 1962, p 1. Summary of Transactions, 7 pp.	JPRS 12755
26, 28 Jan 1962. Vilner's Speech on "Political Developments in the World and in Israel and the Party's Action Program, 41 pp.	JPRS 12755
28 Jan 1962. Expanding Maki Ranks Is of Concern to all Workers, 5 pp, (p 1).	JPRS 12804
III. Program for Doubling Party Membership by The 15th Congress, 6 pp, (pp 1-4).	
2 Feb 1962, pp 3, 6. Broadening Party Ranks: A Vital National and Close Need, by Meir Vilner, 8 pp.	JPRS 12804
FLN's Civil Government Is Poorly Equipped to Govern Algeria, by Albert Henrik Mohn, (DC-6690). NORWEGIAN, np, <u>Verdensgang</u> , 27 Feb 1962, p 1.	*JPRS
FLN Is Not Communist-Infiltrated, by Albert Henrik Mohn, (DC-6690). NORWEGIAN, np, <u>Verdensgang</u> , 27 Feb 1962, p 1.	*JPRS
Tranquility, by Dogan Avciloglu, 4 pp. TURKISH, np, <u>Yon</u> , No 2, 27 Dec 1961; Encl 2 to Desp 369, AmEmbassy, Ankara, 23 Jan 1962.	Dept of State

Near East/Africa  
Military

UAR Training Manual - Crossing of  
Water Obstacle - All Weapons, 45 pp.  
ARABIC, bk, 1956, 107 pp.

ACSI I-0027  
ID 2174794

IDF Armored Corps, 4 pp.  
ARABIC, rpt, 24 Oct 1961, Encl to  
R-242-61.

ID 2188915

Decree No 356, 15 pp.  
ARABIC, np, Al Waqa'i' al 'Iraqiyah,  
No 555, Aug 1961, pp 2-15.

JPRS 12840

The Military Situation in Algeria  
for the Months September, October and  
November, 1961, by Major Bourgue,  
6 pp.  
FRENCH, Encl 1 to Desp 159, AmCongen,  
Algiers, 26 Dec 1961.

Dept of State

Per Diem Travel and Transfer Allow-  
ances of Military Personnel, 17 pp.  
FRENCH, per, Official Gazett, No 4,  
4 Jan 1961, OUSARMA, Beirut, Lebanon,  
Encl to R-209-61.

ID 2189481

Current Turkish Army Supply Proce-  
dures, by H. Timocin, 20 pp.  
TURKISH, per, Kara Kuvvetleri Dergisi,  
No 10-11, 1961, pp 13-15, 101-121.

ACSI I-0669  
ID 2186152



Near East/Africa  
Geographic

International West-African Atlas,  
by Th. Monod, 108 pp.  
FRENCH, rpt, Institute Francais  
D'Afrique Noire, 25 Nov 1960, pp 9-61.

JPRS 12985

In Southern Arabia, by A. Shvakov,  
(DC-6717).  
RUSSIAN, per, Aziya i Afrika Segodnya,  
No 7, 1961, pp 32-33.

\*JPRS

Ancient Yemen Today, by B. Seyranyan,  
(DC-6717).  
RUSSIAN, per, Aziya i Afrika Segodnya,  
No 10, 1961, pp 44-46.

\*JPRS

The Sea Locks of Yemen, by A. Stupak,  
(DC-6717).  
RUSSIAN, np, Za Rubezhom, No 20,  
20 May 1961, pp 16-18.

\*JPRS

Near East/Africa  
Sociological

Construction of New Happy Society in  
Wadi Al-Jadid, 6 pp.

ARABIC, np, Al-Ahram, Vol LXXXVII,  
No 27385, 4 Dec 1961, p 13.

JPRS 12464

Wadi Al-Jadid Inhabitants Thank  
President of the Republic, 7 pp.

ARABIC, np, Al-Ahram, Vol LXXXVII,  
No 27358, 4 Dec 1961, p 17.

JPRS 12464

Announcement to Owners of Principal  
Bookshops in Baghdad, 5 pp.

ARABIC, np, Al Waqa'i al Iraqiyah,  
No 558, 6 Aug 1961, pp 5-8.

JPRS 12460

The Sereres, by Henry Gravrand, 8 pp.

FRENCH, per, Afriques Magazine, Vol XXIV,  
No 2, Mar 1959, pp 14, 16-18.

JPRS 12377

The Dogons, by Monsignor Rene Landru,  
5 pp.

FRENCH, per, Afriques Magazine,  
Vol XXIV, No 2, Mar 1959, pp 19-21.

JPRS 12877

The Malinke, by Monsignor Courtois,  
5 pp.

FRENCH, per, Afriques Magazine,  
Vol XXIV, No 2, Mar 1959, pp 22-24.

JPRS 12877

A Note on the Somonos (Segou), by  
R. Pageard, 3 pp.

FRENCH, per, Notes Africaines, No 89,  
Jan 1961, pp 17, 18.

JPRS 12877

Selected Articles From the Hebrew  
Newspaper Davar.

10 Nov 1961, pp 12, 13;

19 Nov 1961, pp 5, 6.

General Debates in Executive Com-  
mittee Session, 5 pp.

JPRS 12793

Near East/Africa  
Sociological (Contd)

Selected Articles From the Hebrew  
Newspaper Davar. (Contd)

19 Nov 1961.

Need for a Deepening of Values, by  
R. Bash, 4 pp, (p 4).

JPRS 12793

An Ideological Change Is Necessary,  
by M. Talmi, 5 pp, (p 4).

JPRS 12793

Deficiencies Should Be Corrected,  
by Y. Sha'ari, 6 pp, (p 4).

JPRS 12793

Women Workers Movement - Pioneer  
of the Histadrut's Mission, by  
Bebe Idelson, 5 pp, (p 4).

JPRS 12793

Let There Be a Proper Place for  
Religious-Traditional Education,  
by A. Erlich, 4 pp, (p 5).

JPRS 12879

The Histadrut Stabilizes the Social  
Shape of the Country, by M. 'Etsyon,  
4 pp, (p 5).

JPRS 12879

21 Nov 1961.

Organization of Workers and a  
Working Society, by P. Lavon, 12 pp,  
(p 4).

JPRS 12879

Values of the Histadrut Should Be  
Preserved, by Z. Haring, 5 pp,  
(p 5).

More Contact With the Common Member,  
by Y. Mashal, 6 pp, (p 5).

The Religion of the Quiocos, by  
Eduardo dos Santos, 11 pp.

PORTUGUESE, per, Boletim do Instituto  
de Angola, No 11, Jul-Dec 1958, pp 27-52.

JPRS 12877

Near East/Africa  
Sociological (Contd)

Ethnographic Sketch of the Natives  
of the Portuguese Congo, by Helio  
Felgas, 41 pp.

PORTUGUESE, per, Mensario Admini-  
strativo, Nos 149-154, Jan-Jun 1960,  
pp 31-63.

JPRS 12877

The New States of Africa, by  
R. M. Ismagilova, 26 pp.

RUSSIAN, per, Svet Etnografiya,  
No 4, 1961, pp 147-165.

JPRS 12408

ASIA

Economic

Technical Reform Exhibition in the  
City of Canton, 70 pp.

CHINESE, pamphlet, Kuang-chou Shi  
Chi-shu Ke-hsin Chan-lan-hui,  
Jul 1958, pp 1-20.

JPRS 12725

Supply and Demand of Durable Consumer  
Goods in Communist China, by Hideo  
Yonezawa, 9 pp.

CHINESE, per, Ajia Keizai Jumbo, No 486,  
21 Nov 1961, pp 1-9.

JPRS 12558

Communist China's Price Policies,  
by Yonezawa Hideo, 51 pp.

CHINESE, per, Chugoku Kenkyu Geppo,  
No 163, 2 Nov 61, pp 1-31

JPRS 12670

Selected Articles From the Chinese  
Periodical Hung-ch'i.

No 23, 1 Dec 1961, pp 27-31.

JPRS 12404

Correctly Deal With the Economic  
Difference Existing in the Rural  
Communes, by Ho Yu, 7 pp. (pp 27-31.)

No 24, 16 Dec 1961.

JPRS 12440

Several Problems Concerning  
Technical Work in Industry, by  
Han Kuang, 12 pp. (pp 1-7.)

US Imperialist Control Over Japanese  
Monopoly Capital, by Ming K'o,  
13 pp. (pp 10-17.)

China's Crop Rotation Systems, by  
Kao Hui-min, 12 pp. (pp 18-24.)

Discussions on the Question of  
Internal Contradictions of Machine  
Tools, 5 pp. (pp 38, 39.)

Asia  
Economic (Contd)

Selected Articles From the Chinese  
Periodical Hung-ch'i. (Contd)

No 1, 1962, JPRS 12782  
Go All Out to Strive for New  
Victory in Socialist Construction,  
7 pp. (pp 1-5.)

The Question of Authority in  
Socialist Economic Work - After  
Reading Engels' "On Authority"-,  
by Hai Po, 8 pp, (pp 27-31.)

Make a Success of the Financial  
Work of People's Communes, by  
Chu Kuang-fu, 7 pp, (pp 32-35.)

No 2, 16 Jan 1962, pp 33-37. JPRS 12970  
On the System of Workers' Congresses  
in State-Operated Enterprises, by  
Li Jun-chih, 8 pp.

Selected Translations From the Chinese  
Newspaper Jen-min Jih-pao (People's Daily).

No 50, 26 Nov-4 Dec 1961	JPRS 12430
No 52, 6-14 Dec 1961	JPRS 12431
No 53, 15-18 Dec 1961	JPRS 12563
No 54, 19-24 Dec 1961	JPRS 12511
No 55, 27-30 Dec 1961	JPRS 12533
No 56, 25 Dec 61-10 Jan 1962	JPRS 12586
No 57, 3-14 Jan 1962.	JPRS 12605

Selected Translations From the Chinese  
Newspaper Kuang-ming Jih-pao.

No 20, 4-8 Dec 1961	JPRS 12472
No 21, 10-29 Dec 1961	JPRS 12524
No 21, 26 Dec 1961-11 Jan 1962	JPRS 12691
No 22, 30 Dec 1961-4 Jan 1962	JPRS 12692

Asia  
Economic (Contd)

How to Strengthen the System of  
Responsible Production in Production  
Teams, by Chen Chih, 4 pp.

CHINESE, per, Shih-shih Shou-ts'e,  
No 18, 21 Sept 1961, pp 8-10.

JPRS 12594

What the Manufacturing of the Tense  
Situation by US Imperialism Explained,  
by Shih Chien, 9 pp.

CHINESE, per, Shih-shih Shou-ts'e,  
No. 18, 21 Sept 1961, pp 22-27.

JPRS 12594

How to Interpret the Conference of  
Unaligned Nations, by Hsin Ming, 6 pp.  
CHINESE, per, Shih-shih Shou-ts'e, No. 18,  
21 Sept 1961, pp 37-39.

JPRS 12594

Selected Translations From the Chinese  
Newspaper Ta Kung Pao.

No 32, 29 Oct-15 Nov 1961  
No 33, 18 Nov-10 Dec 1961  
No 34, 4-24 Dec 1961

JPRS 12287  
JPRS 12496  
JPRS 12592

Problems of the Chinese Economy,  
(NY-6703).

GERMAN, np, Neue Zurcher Zeitung und  
Schweizerisches Handelsblatt,  
No 28-29, 30-31 Jan 1962, p 10.

\*JPRS

The Drive to Become Self-Supporting  
in Clothing As Part of the First  
Stage of the Universal Development  
Plan, by Dr Bintarto Hardjosuwignjo,  
4 pp.

INDONESIAN, per, Gadjah Mada, No 4,  
Oct 1961, pp 239-242.

JPRS 13040

Asia  
Economic (Contd)

Embark Upon 1001 Ways to Increase the  
Production of Foodstuffs!, 9 pp.  
INDONESIAN, np, Harian Rakjat, Vol XII,  
No 3036, 9 Feb 1962, p 3. JPRS 12781

Plan for the Execution of Economic  
Development, by Adnan Koesoema, 9 pp.  
INDONESIAN, per, Industri, No 3/4,  
Apr 1961, pp 4-8. JPRS 13040

Private Industry and Its Place in  
the Process of Industrialization,  
by Joes. Koesoemodirdjo, 4 pp.  
INDONESIAN, per, Industri, No 3/4,  
Mar-Apr 1961, pp 10, 11. JPRS 13040

Reviewing the Activities of Transistor  
Radio Manufacturing Co Ltd, 4 pp.  
INDONESIAN, per, Industri, No. 3/4,  
Mar-Apr 1961, pp 20-21, 40. JPRS 13040

Economic Development in Riau Province,  
3 pp.  
INDONESIAN, per, Merdeka, No. 38,  
23 Sept 61, pp 20, 21. JPRS 13040

First Stage of the Three Year Plan,  
3 pp.  
INDONESIAN, per, Merdeka, No. 49,  
9 Dec 61, p 8. JPRS 13040

Basic Thoughts About the Organization  
of the Labor Market in Indonesia, by  
A. R. Krul, 5 pp.  
INDONESIAN, per, Tindjauan Masalah  
Perburuhan, Oct/Nov/Dec 1960,  
No 6/7/8, pp 5-7. JPRS 13040

Coal and Cement Production, 4 pp.  
INDONESIAN, per, Warta Ekonomi,  
8 Jul 1961, p 426. JPRS 13040



Asia  
Economic (Contd)

- Monetary and Financial Development of the Country Over the Period 1960-1961, 7 pp.  
INDONESIAN, per, Warta Ekonomi, 8 Jul 1961, pp 462-464. JPRS 13040
- Labor Observations in the United States, by Yoko Nakamatsu, 5 pp.  
JAPANESE, per, Konnichi-no-Ryukyu, Vol III, No 1, 1959, pp 14-16. ACSI H-2943  
ID 2191515
- Machine Building Industry in North Korea, 20 pp.  
KOREAN, per, Nitcho Boeki, No 32, Aug 1961, pp 8-15, 20. JPRS 12765
- Metal Industry in North Korea, 20 pp.  
KOREAN, np, Nitcho Boeki, No 35, Dec 1961, pp 9. JPRS 12765
- Selected Articles From the Mongolian Newspaper Unen.
- 9 Jun 1961, p 2. JPRS 12623  
The Role of Ulan Bator Residents in the Third Five-Year Plan, 14 pp.
- 21 Jun 1961. JPRS 12623  
Mongolia's Trade in Forty-Year Post-Revolutionary Period, by D. Dorjgotob, 11 pp, (p 2.)
- Radio Communications in the Forty-Year Post-Revolutionary, by L. Norob, 5 pp, (p 3.)
- 23 Jun 1961, p 3. JPRS 12623  
Petroleum Production [Discussion of Experience], by D. Lubtsannabaan, 7 pp.

Asia  
Economic (Contd)

Selected Articles From the Mongolian  
Newspaper Unen. (Contd)

30 Jun 1961, p 3. Radio Communications of the Mongolian People's Republic, by Sh. Gandorj, 7 pp.	JPRS 12623
1 Jul 1961, p 2. Development of Producer Cooperatives, by D. Demchig, 8 pp.	JPRS 12623
24 Jul 1961, p 2. Role of Statistics in the Fulfillment of the Third Five-Year Plan, by D. Batsuh, 8 pp.	JPRS 12623
4 Aug 1961, p 3. Questions of Reclamation of Virgin Lands, by Ch. Rsebegdorj, 5 pp.	JPRS 12623
14 Aug 1961, p 2. Gob'-Altai Aymak During the Third Five-Year Plan, by P. Lubsandorj, 8 pp.	JPRS 12623
20 Aug 1961, p 2. State Help For Stabilization of Agricultural Artels During the Third Five-Year Plan Period, by Ts. Demberel, 8 pp.	JPRS 12623
1 Sep 1961, p 4. UBS Aymak in the Past Thirty Years, by B. Hurmetbek, 8 pp.	JPRS 12501
10 Oct 1961, p 2. Development of Mobsgol Aymak During the Past Thirty Years, by G. Bagaa, 9 pp.	JPRS 12501

Asia  
Economic (Contd)

Selected Articles From the Mongolian  
Newspaper Unen. (Contd)

24 Oct 1961, p 2. JPRS 12501  
Results of Fulfillment of the  
First Three Quarters of the 1961  
Production Plan, 17 pp.

30 Oct 1961, p 3. JPRS 12501  
Veterinary Medicine in Mongolia During  
the Third Five-Year Plan, by Ts.  
Sugarragcha, 8 pp.

Building Our Pediatrics Branch, by  
Nguyen Duy Ngo, 9 pp. JPRS 12808  
VIETNAMESE, per, Hoc Tap, Oct 1961,  
pp 52-57.

First Experiences Drawn From the  
Organization and Proceedings of the  
Worker-Functionary Congress in the  
Joint State-Private Enterprises in  
Hanoi, by Le Tu, 6 pp. JPRS 12426  
VIETNAMESE, np, Lao Dong, No 974,  
2 Nov 1961, p 2.

Our Workers Responsibility: To Serve  
Agriculture in 1962, 3 pp. JPRS 12936  
VIETNAMESE, np, Lao Dong, 6 Jan 1962,  
p 1.

Selected Articles From the Vietnamese  
Periodical Nghien Cuu Kinh Te, Oct 1961. JPRS 12593

Let Us Join Industry and Agriculture,  
by Le Vinh, 15 pp. (pp 4-11, 17.)

Raw Material for Light Industry, by  
Nguyen Xuan Lai, 12 pp. (pp 12-17.)

About the 1961 Autumn Crop, by La  
Huu Quang, 3 pp. (pp 59-60.)

Asia  
Economic (Contd)

Selected Articles From the Vietnamese  
Periodical Nghien Cuu Kinh Te, Oct 1961.  
(Contd)

JPRS 12593

Domestic Commerce in the Past Few  
Years, by Vu Po, 15 pp, (pp 64-73.)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

30 Oct 1961, p 3.  
Irrigation Must Enrich the Soil,  
by Tran Dang Khoa, 5 pp.

JPRS 12967

31 Oct 1961, p 3.  
The Uong Bi Power Complex, 4 pp.

JPRS 12967

13 Nov 1961, p 3.  
Tour of Viet Tri Industrial Center,  
by Tran Viet, Hoang Minh, 8 pp.

JPRS 12453

14 Nov 1961, p 3.  
Labor and Tractive Power for Forest  
Production Sector, by Nguyen Van Phuong,  
3 pp.

JPRS 12453

17 Nov 1961, pp 1, 2.  
Expand the Cultivated Area and Increase  
Productivity, 3 pp.

JPRS 12453

21 Nov 1961, p 3.  
Economization of Wood, by Hoai Phuong,  
6 pp.

JPRS 12685

22 Nov 1961,  
Plant More Yams, by Ly Ban, 8 pp,  
(p 3.)

JPRS 12567

Sugar and Molasses, by Ha Hoa, 4 pp,  
(p 3.)

Asia  
Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

23 Nov 1961, p 3. JPRS 12453  
Combine the Primitive With Present  
Methods, by Ha Hoa, 7 pp.

30 Nov 1961, p 3. JPRS 12453  
Sugar Production in Van Diem, by  
Nguyen Dai, 5 pp.

2 Dec 1961. JPRS 12567  
Correct Evaluation of Achievements in  
Good Production, 3 pp, (p 1.)

Secondary Economy for Families of  
Cooperative Members, by Le Trung Viet,  
5 pp, (p 4.)

3 Dec 1961, p 6. JPRS 12567  
Agricultural Maps Needed, by Nguyen  
Duc Thinh, 8 pp.

7 Dec 1961, p 3. JPRS 12567  
Irrigation Must Serve Production in  
Time, by Duong Quoc Chinh, 5 pp.

9 Dec 1961, pp 1, 2. JPRS 12967  
On the Management of Agricultural  
Cooperatives, 4 pp.

10 Dec 1961. JPRS 12685  
Communication and Transport in the  
Service of Agricultural Production,  
4 pp, (pp 1, 2.)

New Roads in the Countryside, by Nguyen  
Hung, Tran Tien Dung, 11 pp, (p 4.)

Water Conservation and Communication,  
by Tran Dang, 4 pp, (p 4.)

13 Dec 1961. JPRS 12685  
Experience Gained Through Cooperative  
Management, 14 pp.

Asia  
Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan (Contd)

17 Dec 1961, p 3. The Essential Goal of Production Rationalization and Technical Improvement, by Ha Van, 5 pp.	JPRS 12685
20 Dec 1961, p 3. Developing the Raw Material Base of the Light Industries, by Ha Hoa, 6 pp.	JPRS 12567
21 Dec 1961. Early Preparations for the 1962 Plan, 5 pp, (pp 1, 2.)	JPRS 12685
Fish Breeding in North Vietnam in 1962, by Nguyen Huu Thac, 4 pp, (p 3.)	
22 Dec 1961, p 3. Timely Grow Industrial Plants, by Le Duy Khiem, 6 pp.	JPRS 12747
23 Dec 1961, p 3. The Role of Women in the Winter- Spring Season, by Ha Que, 5 pp.	JPRS 12747
29 Dec 1961, pp 1, 2. To Improve Accounting, 4 pp.	JPRS 12747
30 Dec 1961, p 3. The Trail on Waste and Graft at Thang-Long Tobacco Plant, 5 pp.	JPRS 12747
2 Jan 1962. Thanh Hoa Steps Up Production, 5 pp. (p 1, 4.)	JPRS 12747
Achievements of Tran-Hung-Dao Machine Plant, by Le Viet Huong, 8 pp, (p 3.)	

Asia

Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

5 Jan 1962, p 3. Availability of Materials and Supplies, by Ngo Huu Ba, 4 pp.	JPRS 12967
6, 7 Jan 1962, p 2. Standardization of Technical Criteria, by Bui Huy Dap, 13 pp.	JPRS 13020
8 Jan 1962, pp 1, 4. Plant More Vegetables and Starch Plants, 4 pp.	JPRS 12994
9 Jan 1962, p 3. Achievements and Prospects in Hai- Phong's Industry, by Hoang Huu Nhan, 8 pp.	JPRS 12994
10 Jan 1962, p 2. Achievements of Vinh-Linh Cooperatives, by Ho Si Than, 4 pp.	JPRS 12994
10-13, 16, 17 Jan 1962, p 3. The 1963 State Plan, by Hoang Tung, 34 pp.	JPRS 12994
14 Jan 1962, pp 2, 3. Directions and Missions of the 1962 State Plan, by Nguyen Duy Trinh, 27 pp.	JPRS 13020
16 Jan 1962, p 2. Suggestions on Cooperative Management, by Phan Quang, 7 pp.	JPRS 12967
18 Jan 1962, p 3. Control, Distribution, and Consumption of Manufactured Goods, by Nguyen Thanh Bing, 15 pp.	JPRS 12994

Asia

Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

19 Jan 1962. Build up Agricultural Technical Criteria, by Truong Chinh, 32 pp.	JPRS 13020
Consolidate New Production Relation- ships, by Hoang Tung, 5 pp, (p 3.)	
24 Jan 1962. Wasteful Practices and Bad Work at Construction Sites, by Vu Duc Than, 4 pp.	JPRS 12994
Bright Electricity Picture, by Van Quang, 3 pp. VIETNAMESE, np, <u>Quan Doi Nhan Dan</u> , 23 Nov 1961, p 4.	JPRS 12936
Electric Power in North Viet Nam, by Trinh Trong Thuc, 4 pp. VIETNAMESE, np, <u>Quan Doi Nhan Dan</u> , 23 Nov 1961, p 4.	JPRS 12936
National Mining Conference, by Le Thanh Nghi, 12 pp. VIETNAMESE, per, <u>Tin Tuc Hoat Dong Khoa Hoc</u> , Dec 1961, pp 8-13.	JPRS 12936
Let Us Apply Operations Research in Economic Construction, by Hoang Tuy, 12 pp. VIETNAMESE, per, <u>Tin Tuc Hoat Dong Khoa Hoc</u> , Dec 1961, pp 14-20.	JPRS 12936
A Hydroelectric Project at Thac-Ba, by Dao Trong, 3 pp. VIETNAMESE, per, <u>To Quoc</u> , No 180, 1 Sep 1961, pp 18-19.	JPRS 12426



Asia  
Political

Members of Communist Youth Corps Should  
Intimately Coordinate With the Masses,  
by Huang-T'ung, 10 pp.

CHINESE, per, Chung-kuo Ch'ing-nien,  
No 22, 16 Nov 1961, pp 2-5.

JPRS 12594

Selected Articles From the Chinese  
Periodical Hung-ch'i.

No 24, 16 Dec 1961, pp 8-11.

The "Peace Corps" Trick, by  
T'u Nan, 4 pp.

JPRS 12440

No 1, 1962.

Hail the Great Victories of the  
National-Liberation Movement, by  
Kuo Chi-chou, 13 pp, (pp 6-14).

JPRS 12782

When the "Beaten Dog" Raises Its  
Tail, by Yuan Hsien-lu, 4 pp,  
(pp 15-17).

No 2, 16 Jan 1962.

Oppose the Brutal Actions of the US  
Reactionaries Against the Communist  
Party of USA, 6 pp, (pp 1-4).

JPRS 12970

Truth Is Concrete, by Chang Shih-ying,  
11 pp, (pp 5-12).

The Moscow-Peiping Dispute, by  
Avigdor Ben Asher, 6 pp.

HEBREW, np, Al Hamishmar, 28 Jul 1961,  
pp 3, 4.

JPRS 12696

Asia  
Political (Contd)

Selected Articles From the Hindi  
Newspaper Janyug.

- Vol XIII, No 52, 15 Aug 1958, p 3.  
Contributions of Marxism to the  
Indian National Movement, by  
P. C. Joshi, 8 pp. JPRS 12696
- Vol XIV, No 2, 24 Aug 1958, p 6.  
Protect the Workers' Government in  
Kerala, 12 pp. JPRS 12696
- Vol XIV, No 3, 31 Aug 1958, p 6.  
Three Leaders of the State Committee  
Start Fast Until Death, 7 pp. JPRS 12696
- Vol XIV, No 6, 14 Sep 1958.  
The People's Movement Will Be  
Accelerated Now, 3 pp, (p 6). JPRS 12696
- The Movement Is Progressing Despite  
Terrible Oppression, Arrests, and  
Lathi Charge, 17 pp, (p 6).
- Vol XVII, No 23, 21 Jan 1962,  
pp 4, 10. JPRS 12613  
The Indian Magazine Discusses the  
Revolutionary Traditions of Leninism,  
by R. N. Upadhaya, 4 pp.
- V. I. Lenin - Server to Enemies, Patient  
to Comrades, 3 pp.  
INDONESIAN, np, Harian Rakjat, 30 Jan 1962,  
p 1. JPRS 12781
- Mobilization Is a Prerequisite to the  
Victory of the People, 4 pp.  
INDONESIAN, np, Harian Rakjat,  
31 Jan 1962, p 1. JPRS 12781
- Indonesian Communist Comments on  
Malaya and Yugoslavia, 5 pp.  
INDONESIAN, np, Harian Rakjat,  
1, 2 Feb 1962. JPRS 12781

Asia

Political (Contd)

Dr. Abdulgani's Comments on Political Affairs, by Roeslan Abdulgani, 7 pp. INDONESIAN, per, Mimbar, No 5, Nov 1961, pp 13, 14, 21, 33.

JPRS 13040

Reflections on the Ultra-Rightist Abortive Coup d'Etat, 14 pp. JAPANESE, Encl 1 to 53-62 to USNA, Tokyo, 23 Jan 1962.

Dept of Navy  
ONI 5137963

Selected Articles From the Japanese Newspaper Akahata.

19-21 Jan 1962, p 3.  
Theory and Platform of Revisionism, by Tetsuzo Fuwa, 11 pp.

JPRS 12616

22 Jan 1962, p 1.  
Opinion of Critique of Japan Communist Party by Shakai Shimpo, by Yoshio Sakaue, 11 pp.

JPRS 12618

27 Jan 1962, p 1.  
Our Spring Campaign and the Forward Path to Victory, 10 pp.

JPRS 12781

28 Jan 1962, p 1.  
Various Problems Confronted in Carrying Out the Second Central Committee Plenum Resolution, 3 pp.

JPRS 12616

29 Jan 1962, pp 3, 5.  
Kasuga Faction's Provocative Maneuver Against the International Communist Movement, 14 pp.

JPRS 12632

6-8 Feb 1962.  
Publishing Dispute in the Japan Communist Party, by Kuraji Anzai, 15 pp.

JPRS 12900

On Promoting the Formation of a New Organization, 12 pp. JAPANESE, per, Atarashi Jidai, Nov 1961, pp 76-80.

JPRS 12603

Asia  
Political (Contd)

Outline for the Compilation of Draft  
Regulations of the Preparatory Organi-  
zation, 7 pp.

JAPANESE, per, Atarashi Jidai,  
Nov 1961, pp 80, 81.

JPRS 12603

III. Draft Outline of the "Road Towards  
Socialism in Japan", 15 pp.

JAPANESE, per, Atarashi Jidai, Nov 1961,  
pp 82-87.

JPRS 12603

How to Approach Communist China  
(Political/Economic Situation), by  
Hatano Kanichi, 5 pp.

JAPANESE, per, Nihon Kogyo Shimbun,  
1962, pp 12-14. 9664265

500th INTC Gp  
Tr No 105599

Revisionism in the Japanese Communist  
Movement -- The Kasuga Antiparty Group,  
by Hidesato Numata, 27 pp.

JAPANESE, per, Zenei, Feb 1962,  
pp 46-55.

JPRS 12954

Government Organization Law, (NY-7020).  
KOREAN, bulletin, Chongbu Chojik Pop,  
Law No 734, 2 Oct 1961, pp 433-436.

\*JPRS

Selected Articles From the Korean  
Periodical Kulloja.

15 Oct 1961.

JPRS 12444

The Problem of Ideological Propaganda  
at the Fourth Party Congress of the  
Korean Workers Party, 12 pp, (pp 9-13).

Party Unity and Solidarity: A  
Requisite and a Guarantee for a  
Successful Communist Revolution,  
by Yun Hyung-shik, 16 pp, (pp 14-19).

15 Nov 1961.

JPRS 12444

Cultivation of Revolutionary Character  
Among the Leaders, by Yi Min-su, 5 pp,  
(pp 11-15).

The Road the South Korean Intellectuals  
Must Take, by Ha Ang-ch'on, 8 pp, (pp 21-28).

Asia  
Political (Contd)

Selected Articles From the Korean  
Periodical Kulloja. (Contd)

15 Dec 1961.  
Missions of the Provincial Committees  
for Attainment of the Six Goals, by  
Lee Che Yoon, 7 pp, (pp 19-23).

JPRS 13050

Strongholds in Communist Indoctrina-  
tion, 5 pp, (pp 24-27).

Indoctrination of Communist for  
Future Generation and Mission of  
the Women's Federation, by  
Kim Ok Soon, 6 pp, (pp 28-32).

Selected Articles From the Korean  
Periodical Tang Saop.

Oct 1961.  
Let Us Carefully Study the Party  
Documents, 4 pp, (pp 1-7).

JPRS 12621

Greater Victory, Greater Prospect --  
After Attending the Fourth Party  
Congress, by Song Yong, 7 pp,  
(pp 8-16).

Nov 1961.  
Consolidation of Battle Line for  
New Victories, 5 pp, (pp 2-7).

JPRS 12621

Thorough Study of Party Congress  
Records Among the Kanbu (Leaders),  
by Kim Gyonghwoe, 5 pp, (pp 12-17).

Dec 1961.  
Let Use Definitely Raise the  
Leadership Quality of Our Cadres,  
15 pp, (pp 2-8).

JPRS 12935

Let Us Further Strengthen the  
Nuclei of Propaganda Activities,  
by Sang-jo Chung, 12 pp, (pp 9-13).

Asia

Political (Contd)

Selected Articles From the Mongolian  
Newspaper Unen, 7 Jul 1961.

JPRS 12436

Decision of the XIVth Congress of  
the Mongolian Peoples Revolutionary  
Party, Regarding Changes and  
Revisions in the Party Rules, 4 pp,  
(p 3).

Report on the 6 July 1961 Session  
of the XIVth Congress of the Mongolian  
People's Revolutionary Party, 4 pp,  
(p 3).

Speech by D. Molomjants, Representing  
Horsgol Aymak at the XIVth Congress  
of the Mongolian People's Revolutionary  
Party, 17 pp, (p 5).

Speech by Ts. Damba, Representing  
Hobsgol Aymak at the XIVth Congress  
of the Mongolian People's Revolutionary  
Party, 11 pp, (pp 6, 7).

Speech by M. Jamstran, Representing  
Ubs Aymak at the XIVth Congress of the  
Mongolian People's Revolutionary Party,  
15 pp, (p 7).

Speech by J. Gombosuren, Representing  
Dornogob' Aymak at the XIVth Congress  
of the Mongolian People's Revolutionary  
Party, 12 pp, (p 8).

Speech by M. Chimeddorj, Representing  
Mongolian Students Studying Abroad at  
the XIVth Congress of the Mongolian  
People's Revolutionary Party, 15 pp,  
(pp 8, 9).

Speech by D. Erdentsogt, Representing  
Selenge Aymak at the XIVth Congress of  
the Mongolian People's Revolutionary  
Party, 11 pp, (p 9).

Speech by Ch. Purebjab, Representing  
Ulan Bator at the XIVth Congress of the  
Mongolian People's Revolutionary Party,  
15 pp, (p 11).

Asia  
Political (Contd)

Historical Sketches of Contemporary China,  
by A. S. Perevertaylo, 13 pp.  
RUSSIAN, bk, Ocherki Istorii Kitaya V  
Noveysheye Vremya, Jul 1959, pp 5-9,  
691-696.

JPRS 12977

Let Us Strengthen Basic Party Organiza-  
tions in Mountainous Rural Areas, by  
Nguyen Hun Quang, 4 pp.  
VIETNAMESE, per, Hoc Tap, No 1, 1962.

JPRS 13090

Some Ideas on Reclamation, by Hoang Uoc,  
12 pp.  
VIETNAMESE, per, Nghien Cuu Kinh Te,  
Oct 1961, pp 33-38.

JPRS 12593

Reform of Private Industry and Commerce  
in Hanoi, by Tien Duc, 16 pp.  
VIETNAMESE, per, Nghien Cuu Kinh Te,  
Oct 1961, pp 45-52.

JPRS 12593

Conference of the Statistical Branch,  
by Nguyen Hong Van, 4 pp.  
VIETNAMESE, per, Nghien Cuu Kinh Te,  
Oct 1961, pp 62-64.

JPRS 12593

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

9 Dec 1961, p 3.  
To Guarantee the Quality of  
Mechanical Products, by  
Le Van Giam, 4 pp.

JPRS 12967

11 Dec 1961, p 4.  
To Protect the Fruits of Our Labor,  
by Vu Tu, 4 pp.

JPRS 12567

31 Dec 1961, p 2.  
1961, a Tough and Heroic Struggle  
Year, by Nguyen Van Vinh, 4 pp.

JPRS 12967

Asia

Political (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

3 Jan 1962, p 3.

JPRS 12747

Speech of Le Thanh Nghi, Member of  
the Politburo and Vice-President  
of the Republic, at a Meeting in  
Thanh Hoa, by Le Thanh Nghi, 13 pp.

5 Jan 1962, pp 1, 4.

JPRS 12967

Fostering the Duyen Hai Movement,  
3 pp.

12 Jan 1962, p 3.

JPRS 12967

Hai Ninh After a Year of Administer-  
ing the Price Policy, by Hoang Hai,  
6 pp.

Military

Development in Nuclear, Chemical Biological  
and Radiation Warfare and Future Prepara-  
tions Should Be Made by China, 16 pp.

CHINESE, pamphlet, Nuclear, Chemical  
Biological and Radiation Wars, Encl  
No 3 to R-619-61, China OUSARMA, pp 3-25.

319th MI Bn  
H-9894-A  
ID 2176148

Successive Changes of Chinese Chemical  
Warfare Troops, 7 pp.

CHINESE, pamphlet, Nuclear, Chemical  
Biological and Radiation Wars, Encl  
No 3, to R-619-61, China OUSARMA, pp 3-25.

319th MI Bn  
H-9894-B  
ID 2176148

Joint Operation of the Three Military  
Services in Nuclear War, 19 pp.

CHINESE, pamphlet, Nuclear, Chemical Biological  
and Radiation Wars, Encl No 3 to  
R-619-61, China OUSARMA, pp 3-25.

319th MI Bn  
H-9894-C  
ID 2176148



Asia  
Military (Contd)

Liberation Army Pictorial No 8/1961.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
16 Aug 1961, USARMLO Hong Kong BCC,  
Encl to R-753-61.

ID 2191726

Assistance of the Students in Carrying  
Out the Task of the Armed Forces of the  
Republic of Indonesia, by M. Sarbini,  
5 pp.  
INDONESIAN, per, Gadjah Mada, No 4,  
Oct 1961, pp 220-225.

JPRS 13040

(a) QM Leather and Rubber Goods, Chemical  
Equipment, Medical Implement and Food-  
stuffs, (b) Tables No 60/61 (c) Tables  
No 71/72.

JAPANESE, Summary of Military Procure-  
ment by the Procurement Officer for  
Fiscal Year 1960 (Seventh Annual Report),  
Encl No 1 to R-518-61, OARMA Japan,  
p 63, 137, 1960.

\*525th MI Gp  
I-0984  
ID 2183865

Correct Solution Between Military  
Training and Production, by Tran Duc,  
4 pp.  
VIETNAMESE, np, Nhan Dan, 4 Dec 1961,  
p 4.

JPRS 12567

The Seventeenth Anniversary of the Army,  
by Van Tien Dung, 8 pp.  
VIETNAMESE, np, Nhan Dan, 22 Dec 1961,  
p 1, 4.

JPRS 12747

Reservist Decree, 8 pp.  
VIETNAMESE, per, Quan Doi Nhan Dan,  
6 Jan 1962, pp 1, 2.

JPRS 12593

Asia  
Geographic

Landform Classification - Its Principle  
and Its Application, by Takamasa Nakano,  
15 pp.

JAPANESE, per, Journal of Geography,  
Vol LXX, No 2 (721) 1961, pp 3-14.

ACSI I-0253-A  
ID 2180086

The Tetori Group Along the Asuwa River  
in Fukui Prefecture, by Shiro Maeda,  
6 pp.

JAPANESE, per, Journal of Geography,  
Vol LXX, No 2 (721), 1961, pp 15-26.

ACSI I-0253-B  
ID 2180086

Kun'lun and Tarim, (NY-7003).  
RUSSIAN, bk, Kun'lun i Tarim, 1961,  
pp 1-212.

\*JPRS

Sociological

Let's Have a Talk on the Problem of  
Study, by Li Ch'i-t'ao, 18 pp.  
CHINESE, per, Chung-kuo Ch'ing-nien,  
No 21, Nov 1961, pp 2-4.

JPRS 12760

Kyoto Manifesto of the World Religionist  
Conference for Peace, 4 pp.  
CHINESE, per, Hsien-tai Fo-hsueh,  
No 4, 26 Oct 1961, pp 3, 4.

JPRS 12907

Statement of Chao P'u-ch'u Chief of the  
Chinese Delegation to the World  
Religionist Conference for Peace,  
by Chao P'u-ch'u, 10 pp.  
CHINESE, per, Hsien-tai Fo-hsueh, No 4,  
25 Oct 1961, pp 5-8.

JPRS 12907

Asia  
Sociological (Contd)

Selected Articles From the Chinese  
Periodical Hung-ch'i.

- No 24, 16 Dec 1961. JPRS 12440  
On Teaching Subjects of Fundamental  
Theories of Natural Science, by  
Li Cho-pao, 13 pp, (pp 25-31).
- One Sunday, by Chou Li-po, 9 pp,  
(pp 32-37).
- No 1, 1962. JPRS 12782  
The Pragmatic Philosophy of Modern  
Bourgeoisie, by Ch'en Yuan-hui, 12 pp,  
(pp 18-26).
- Old Operatic Artists' Experiences,  
by Ch'u Liu-i, 11 pp, (pp 36-41).
- No 2, 1962. JPRS 12970  
On Questions in Natural Science  
Relating to Practical Standards,  
by Ho Tso-hsiu, 40 pp, (pp 13-24).
- Modesty is an Exact Reflection of  
Reality, by Wu Chieh-min, 12 pp,  
(pp 25-32).
- Rapidly Develop the Nationality Institutes  
on Our Country, 5 pp.  
CHINESE, per, Min'tzu T'uan-chieh, No 8/9,  
Sep 1961, pp 8, 9. JPRS 12760
- Continue to Develop Minority Nationality  
Cadres Energetically, 8 pp.  
CHINESE, per, Min-tzu T'uan-chieh,  
No 8/9, Sep 1961, pp 10-14. JPRS 12760
- The Salar Nationality, by Tai-k'o-lai,  
6 pp.  
CHINESE, per, Min-tzu T'uan-chieh,  
No 8/9, Sep 1961, pp 54-56. JPRS 12760

Asia

Sociological (Contd)

A Casting of the Characters and Spirit of the Times, by Lu Ping, 22 pp.

CHINESE, per, Wen-i Pao, No 11, 21 Nov 1961, pp 13-18.

JPRS 12907

On the Clash of Personalities, Ideological Significances, and Others, by T'au P'ei-sheag, 11 pp.

CHINESE, per, Wen-i Pao, No 11, 21 Nov 1961, pp 18-21.

JPRS 12907

Indochina, by Andre Leroi-Gourhan, Jean Poirier, (DC-6727).

FRENCH, bk, Ethnologie de l'Union Francaise, 1953, pp 514-678.

\*JPRS

People's China Faces Public Health Problems, by R. F. Bridgman, 3 pp.

FRENCH, per, Comptes Rendus Mensuels des - Seances de l'Academie des Sciences d'Outre-mer, Vol XXI, Jul/Oct 1961, pp 383-386.

JPRS 12572

Observations on National Education in People's China, by Charles Grosbois, 4 pp.

FRENCH, per, Comptes Rendus Mensuels des Seances de l'Academie des Sciences d'Outre-mer, Vol XXI, Jul/Oct 1961, pp 395-398.

JPRS 12572

Information on Government Organizations, 50 pp.

FRENCH, per, Journal Officiel du Royaume du Laos, Vol IX, No 2, 6 Mar 1961, pp 26, 32, 35, 39, 41, 44, 45; No 3, 19 Apr 1961, pp 66, 68-72, 76.

JPRS 12463

The Population of China. Structure and Recent Evolution, by Roland Pressat, 16 pp.

FRENCH, per, Population, No 4, 1961, pp 649-664.

Bureau of the Census  
Foreign Manpower  
Research Office

Asia  
Sociological (Contd)

University News, 4 pp.  
INDONESIAN, per, Gadjah Mada, Oct 1961,  
pp 254-256.

JPRS 13040

Health of the Rural Population, by  
Soejono Hadi, 7 pp.  
INDONESIAN, per, Gadjah Mada, No 4,  
Oct 1961, pp 262-268.

JPRS 13040

Link Increased Food Production to  
Victory Over Dutch, 4 pp.  
INDONESIAN, np, Harian Rakjat,  
19 Feb 1962, p 3.

JPRS 12955

Observation Institute and Laboratory  
for the Physically Handicapped, 16 pp.  
INDONESIAN, per, Tindjauan Masalah  
Perburuhan, Oct-Dec 1960, No 6-8,  
pp 18-26.

JPRS 13040

Selected Articles From the Korean  
Newspaper Inmin Kyoyuk.

Oct 1961, pp 39-43.  
Exploratory Instruction and a Revo-  
lutionary Change in Pedagogical  
Theory and Educational Practices,  
18 pp.

JPRS 12621

Nov 1961.  
Let the Leading Workers Practice  
the Chongsanli Method More  
Thoroughly, 17 pp, (pp 8-11).

JPRS 12935

Let Us Make Positive Headway in  
Laying the Groundwork for Imple-  
menting a Nine-Year Compulsory  
Technical School Education, by  
Kim Kaehyok, 13 pp, (pp 12-14).

For the Sake of Drastically Raising  
the Workers' Cultural and Technologi-  
cal Knowledge Level, by Li Chongha,  
10 pp, (pp 15, 16).

Asia

Sociological (Contd)

Problems in Socialist Reform of Farm  
Management in North Korea, by

Chong T'ae-sik, 6 pp.

KOREAN, per, Kulloja, 15 Nov 1961,  
pp 40-45.

JPRS 12444

Improvement in Socialistic Finance  
Management, 6 pp.

KOREAN, per, Kulloja, 15 Dec 1961,  
pp 13-17.

JPRS 13050

Millions of Chinese Will Die From  
Hunger or War, 8 pp.

SPANISH, np, Bogota, 9 Jan 1962,  
pp 1, 23.

JPRS 12546

Regulations Governing Public Order  
and Sanitation in Hanoi, 25 pp.

VIETNAMESE, np, Bao Tan Viet Hoa,  
Dec 1961, p 2.

JPRS 12714

The First Step in Improving Study in  
Our Party School, 11 pp.

VIETNAMESE, np, Hoc Tap, No 12, 1961.

JPRS 12872

Religious Freedom, by Pham Quang Hieu,  
11 pp.

VIETNAMESE, per, Hoc Tap, No 12, 1961,  
pp 55-58.

JPRS 12808

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

11 Dec 1961, p 3.

Some New Features in Life in the  
Mining Area, by Ngo Du, 7 pp.

JPRS 12567

14 Dec 1961, p 1.

Achievements in the Fight Against  
Tuberculosis and Trachoma, by  
Hoai Nam, 5 pp.

JPRS 12567

Asia  
Sociological (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

28 Dec 1961, pp 3, 4. Provisional Social Security Act Cover- ing Workers and Staff Members of the State, 19 pp.	JPRS 12685
30 Dec 1961, pp 1, 2. The Eradication of Malaria Is a Revolutionary Task, 4 pp.	JPRS 12747
31 Dec 1961, p 3. The Duty of Labor Unions for the Provisional Social Security Act, by Nguyen Cong Hoa, 4 pp.	JPRS 12967
11 Jan 1962, p 3. Increase in Labor Protection, by Ngo Du, 4 pp.	JPRS 12967
Let Us Stop Wasting Our Time, Let Us Encourage Rational and Realistic Work, by Le Linh, 4 pp. VIETNAMESE, per, <u>Quan Doi Nhan Dan</u> , 5 Sep 1961, p 3.	JPRS 12426
National Development of Peoples of Asia and Africa, by S. I. Bruk, N. N. Cheboksarov, 26 pp. RUSSIAN, per, <u>Sovet Etnografiya</u> , No 4, 1961, pp 74-99.	JPRS 12408

WESTERN EUROPE

Economic

Netherlands Postal, Telegraph and Telephone (PTT), by Ir. G. H. Bast, 5 pp. DUTCH, rpt, 2 Jan 1962, Encl to R-12-62.

ID 2192078

Dams of Switzerland. FRENCH, rpt, Barrages en Suisse, 1961, OARMA, Bern, Encl to R-28-62.

ID 2193443

Industrialization [Simplification and Improvement of Manufacturing Methods] of Products, by M. Bailly. FRENCH, per, La-Machine-Outil-Francaise, No 169, 1961, pp 135-145.

\*ACSI I-0961  
ID 2191520

Situation of the Community Coal Market 1962 Balance-Sheet, 13 pp. GERMAN, Encl 1 to Colux D-122, U.S. Mission to the European Communities, Luxembourg, 28 Feb 1962; Colux D-113.

Dept of State

The Dutch Meat Products Industry. GERMAN, per, Die Ernährungswirtschaft, Vol VIII, 12 Dec 1961, pp 790-792.

\*ACSI I-0931  
ID 2191505

Resolution of the Desires of the Commonwealth Through Worldwide Agreements, 5 pp. GERMAN, per, Europa Nachrichten; Encl 1 to ECBUS D-324, U.S. Mission to the European Communities, Brussels, 16 Feb 1962.

Dept of State



Western Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Stahl und Eisen.

Vol XLIX, 1929, pp 1509-1518. Electric Annealing Plant, by T. Stassinnet.	CSIRO
Vol LXXX, 15 Sep 1960, pp 1261-1268. Studies on the Performance of Continuous Rolling-Mill Trains, by H. Bucken, V. Steinecke.	BISI 2423
Vol LXXX, 27 Oct 1960. Scientific Management Staff Work in the Service of Top Administra- tion, Part IV, by A. Sandig, (pp 1554-1564).	BISI 1974
Scientific Management Staff Work in the Service of Top Administra- tion, Part V, by P. Conrad, (pp 1564-1573).	BISI 1974
Scientific Management Staff Work in the Service of Top Management, Part VI, by W. Schutte, (pp 1573, 1574).	BISI 1974
New Methods of Work Organization, by H. Spitzer, (pp 1618-1623).	BISI 2433
Vol LXXI, 2 Mar 1961, pp 284-294. The Output of Blooming Mill Trains and Their Characteristics, by P. Stoker.	BISI 2132
Vol LXXXI, No 16, 3 Aug 1961, p 1063. Improving the Conditions of Employ- ment and Social Work in an Iron and Steel Works, by A. Heese.	*BISI 2637

Western Europe  
Economic (Contd)

Selected Articles From the German  
Periodical Stahl und Eisen. (Contd)

Vol LXXXI, 14 Sep 1961, pp 1305-1308.  
Motor Vehicle Production and the  
Motor Industry's Importance as a  
Consumer of Iron and Steel, by  
H. H. Hansen.

BISI 2543

Vol LXXXI, 23 Nov 1961, pp 1649-1661.  
Fundamental Considerations on the  
Use of Electronic Data Recovery and  
Processing Schemes for Quality  
Control, **Elucidated** by the Example  
of Heavy Plate Production, by  
U. Sabass.

\*BISI 2682

Prospectus of the Italian Steel Industry,  
by E. Manuelli.  
ITALIAN, Conference held at Naples,  
27 Jun 1961, Under Auspices of the  
Bank of Naples.

\*BISI 2672

The Integrated Steelworks at  
Connigliano, by R. Levi.  
ITALIAN, per, Ingegneria Meccanica,  
Vol III, No 11, 1954, pp 41-49.

BISI 2290

Western Europe  
Political

Communique Issued by Defense Minister,  
4 pp.

DUTCH, Encl to 17-62 to USNA, The  
Hague, 23 Jan 1962.

Dept of Navy  
ONI 5137858

What Orientation?, 19 pp.

DUTCH, per, De Brug, Vol XIV, No 14,  
6 Jan 1962, pp 6, 7.

JPRS 12618

Dutch Communist Leader De Groot on 1962  
Aims and Policies, by Paul de Groot,  
8 pp.

DUTCH, np, De Waarheid, 5 Jan 1962,  
pp 1, 3.

JPRS 12615

Liability and Insurance of the Atomic  
Risk in the European Law Systems, by  
Marie Claire Camier, 158 pp.  
FRENCH, bk, Responsabilite et Assurance  
du Risque Atomique dans les Droits  
Europeens, 1960, pp 1-226. 9097028

AEC-Tr-4515

Selected Articles From the French  
Periodical Cahiers du Communisme,  
Vol XXXVIII, No 1, 1962.

JPRS 12925

The Party in the Enterprise, by  
Jean Burles, 20 pp.

Some Convincing Experiences (Work  
Among Women), by Denise Millerioux,  
22 pp.

Communist Work in Mass Organizations  
and Movements, by Roland Leroy, 14 pp.

The Record and the Prospects, by  
Roger Garaudy, 23 pp.

Form and Promote New Cadres, by  
Leon Feix, 20 pp.

Culture and the Communist Party, by  
Waldeck Rochet, 38 pp.

Capital Role of Communist Press, by  
Raoul Calas, 24 pp.

Western Europe  
Political (Contd)

Differences Among the Communist Parties --  
A Belgian Communist View, by Jean Terfve,  
22 pp.

FRENCH, per, Le Drapeau Rouge,  
5, 8-11, 15-17 Jan 1962.

JPRS 12759

Belgian Communist Chief Burnelle on the  
Renovation of the Communist Movement, by  
Ernest Burnelle, 14 pp.

FRENCH, np, Le Drapeau Rouge, Vol XL,  
No 14, 19-29 Jan 1962.

JPRS 12615

The French Communist Party and De-Stalinization,  
6 pp.

FRENCH, per, Est & Quest, Vol XIV, No 270,  
15 Jan 1962, pp 10-12.

JPRS 12612

Togliatti and the Kremlin -- An Analysis  
by a French Ex-Communist, by  
Branko Lazitch, 9 pp.

FRENCH, per, Est & Quest, Vol XIV,  
No 271, 16-31 Jan 1962, pp 8-12.

JPRS 12780

The Reasons Behind De-Stalinization --  
A French and Austrian Socialist Analysis,  
by Lucien Laurat, 7 pp.

FRENCH, per, Est and Quest, Vol XIV, No 271,  
16-31 Jan 1962, pp 22-24.

JPRS 12719

French Journalist Interviews Nenni, by  
Michel Bosquet, 10 pp.

FRENCH, np, l'Express, 1 Feb 1962,  
pp 16, 17.

JPRS 12982

A Heated French Defense of Communism, by  
Jean Coin, 13 pp.

FRENCH, np, France Nouvelle, No 839,  
15-21 Nov 1961, pp 19, 20.

JPRS 12755

Thoughts on Collective Leadership, by  
Leon Feix, 3 pp.

FRENCH, np, France Nouvelle, No 849,  
24-30 Jan 1962, pp 10, 11.

JPRS 12736

Western Europe  
Political (Contd)

French Communists and Antifascist Unity,  
by Paul Laurent, 19 pp.  
FRENCH, np, l'Humanite, Paris, 12 Feb 1962,  
pp 4, 5.

JPRS 12867

On Philosophy, by Waldeck Rochet, 24 pp.  
FRENCH, per, La Nouvelle Critique, No 133,  
Feb 1962.

JPRS 12998

Revolutionary Movement Under Modern  
Capitalism, by Paul Cardan, 182 pp.  
FRENCH, per, Socialisme ou Barbarie,  
Part I & II, Vol VI, No 31, Dec 1960/Feb 1961,  
pp 51-81; Parts III-V, Vol VI, No 32,  
Apr/Jun 1961, pp 84-111; Parts VI-VIII,  
Vol VI, No 33, Dec 1961/Feb 1962, pp 60-85.

JPRS 12590

The Chaff of Words and Reality, 3 pp.  
FRENCH, np, Unir pour le Socialisme,  
No 111, Feb 1962, p 1.

JPRS 12736

On the Subject of Polycentrism, 3 pp.  
FRENCH, np, Unir pour le Socialisme,  
No 111, Feb 1962, pp 4, 5.

JPRS 12736

The End of Monolithism, by Pierre Frank,  
5 pp.  
FRENCH, per, La Verite des Travailleurs,  
No 121, Dec 1961, pp 4, 5.

JPRS 12617

What Is Being Discussed in the French  
Communist Party, 4 pp.  
FRENCH, per, La Verite des Travailleurs,  
No 121, Dec 1961, p 7.

JPRS 12617

French Communist Opposition Criticizes  
East German Regime and Soviet Stand on  
Germany, by Claude Arrieux, 7 pp.  
FRENCH, per, La Voie Communiste, No 24,  
Oct 1961, p 12.

JPRS 12612

Italy's Socialists in Movement, 6 pp.  
GERMAN, per, Die Andere Zeitung, Vol VIII,  
No 6, 1 Feb 1962, p 6.

JPRS 12735

Western Europe  
Political (Contd)

French Patents Policy in the Nuclear  
Field, by J. P. Lepetre, 8 pp.

GERMAN, per, Atomwirtschaft, Vol VI,  
No 4, 1961, pp 196-200. 9095573

AERE, Harwell Tr-873

Selected Articles From the German  
Newspaper Volksstimme.

15 Oct 1961, p 15.  
Communist Party Leader Praises Program,  
7 pp.

JPRS 12358

No 241, 17 Oct 1961, p 6.  
The Soviet Nationalities Policy and  
West German Revanchism -- An Austrian  
Communist View, by Bruno Frei, 4 pp.

JPRS 12719

22 Oct 1961, p 15.  
Volksstimme Editor Discusses Importance  
of Program. by Erwin Scharf, 3 pp.

JPRS 12358

4 Nov 1961, pp 1, 2.  
Reactions to the Congress Line, 8 pp.

JPRS 12358

8 Nov 1961, pp 1, 2.  
Editor Explains "Why It Had To Be,"  
by Franz Marek, 6 pp.

JPRS 12358

15 Nov 1961, pp 1, 2.  
Fuernberg on the CPSU Program, by  
Friedl Fuernberg, 4 pp.

JPRS 12358

16 Nov 1961, pp 1, 2.  
Fuernberg on Personality Cult, by  
Friedl Fuernberg, 4 pp.

JPRS 12358

17 Nov 1961, pp 1, 2.  
Austrian Communist Party Central  
Committee Hears Report of Austrian  
Delegation to 22d Congress, 3 pp.

JPRS 12358

Resolution of the Central Committee  
of the Communist Party of Austria, 4 pp.

No 22, 28 Jan 1962, p 15.  
Otto Bauer and the Road to Socialism,  
6 pp.

JPRS 12735

Western Europe  
Political (Contd)

Austrian Communist Apologia for Stalinism,  
by Franz Marek, 9 pp.  
GERMAN, per, Weg und Ziel, Vol XX, No 1,  
1962, pp 10-18.

JPRS 12855

Austrian Communist View of Peaceful  
Coexistence and the Value of Alliances,  
6 pp.  
GERMAN, per, Weg und Ziel, Vol XX, No 2,  
1962, pp 81-86.

JPRS 12780

Operating Regulations for Law No 635 of  
5 July 1961 Concerning Provisions on the  
Insurance and Financing of Credits From  
Exports of Goods and Services, Performance  
of Work Abroad, as Well as Assistance to  
Developing Countries, 21 pp.  
ITALIAN, Encl 1 to Desp 627, AmEmbassy,  
Rome, 12 Feb 1962; CERP D-12, 13, Desp  
No 131, 11 Aug 1961.

Dept of State

Selected Articles From the Italian  
Newspaper Avanti.

No 19, 23 Jan 1962, pp 1, 2.  
De Martino Press Interview, by  
Francesco De Martino, 6 pp.

JPRS 12614

No 21, 25 Jan 1962, p 3.  
Italy and Peaceful Coexistence --  
Statements by Six Leaders of the  
Italian Socialist Party, by Basso,  
Cattani, Lussu, et al, 12 pp.

JPRS 12614

4 Feb 1962, p 1.  
Nenni Discusses Christian Democratic  
Congress, by Pietro Nenni, 4 pp.

JPRS 12755

Vol LXVI, No 9, 27 Feb 1962, pp 1, 8.  
Socialist Situation Estimate on  
Formation of Center-Left Government,  
4 pp.

JPRS 13047

Western Europe  
Political (Contd)

The Quick and the Dead, by Michel Gordey,  
11 pp.

ITALIAN, per, Corrispondenza Socialista,  
Vol III, No 1, 1962.

JPRS 12955

The 22d CPSU Congress and the Western  
Communists, by Pierre Naville, 5 pp.  
ITALIAN, per, Corrispondenza Socialista,  
Vol III, No 1, 1962, pp 9-.

JPRS 12955

The Moscow-Peking Crisis, by Bruno Germani,  
12 pp.

ITALIAN, per, Corrispondenza Socialista,  
Vol III, No 1, 1962, pp 22-33.

JPRS 12955

Discussions on the 22d CPSU Congress  
Continue in Italy, by Mario Rossi, 24 pp.  
ITALIAN, per, Mondo Nuove, No 1,  
14 Jan 1962, pp 19-21.

JPRS 12982

Italian Communist Youth Federation Policy  
Statement on Present Position and Goals.  
7 pp.

ITALIAN, np, Nuova Generazione, 16 Feb 1960.

JPRS 12900

Communist Youth Find Center-Left More  
Exploit, Vulnerable, by Ugo Baduel, 10 pp.  
ITALIAN, np, Nuova Generazione, Vol VII,  
No 5, 9 Feb 1962, p 3.

JPRS 12755

Italian Trade Unionists and the WFTU  
Debate, by Luciano Romagnoli, 8 pp.  
ITALIAN, per, Rinascita, Vol XIX, No 1,  
1962, pp 23-26.

JPRS 12719

New Italian Approach to Communist Party  
History, by Mario Alicata, 11 pp.  
ITALIAN, per, Rinascita, Vol XIX, No 1,  
1962, pp 41-46.

JPRS 12780

Italian Communist Party Organizational  
Activities in Emilia, by Guido Fanti,  
8 pp.

ITALIAN, per, Rinascita, Vol XIX, No 1,  
1962, pp 51-54.

JPRS 12855



Western Europe  
Political (Contd)

Selected Articles From the Italian  
Newspaper l'Unita.

No 354, 22 Dec 1961, pp 1, 8, 9. Debate on Party Activities and Berlinguer Report, 22 pp.	JPRS 12259
23 Dec 1961, pp 1, 8-10. Italian CP Debate of Central Committee and Central Control Commission, 53 pp.	JPRS 12693
No 22, 23 Jan 1962, pp 1, 10. Longo Speech, by Luigi Longo, 3 pp.	JPRS 12614
28 Jan 1962. Pajetta Answers Moro, 4 pp.	JPRS 12982
No 34, 4 Feb 1962, pp 1, 11. Italian Communist Observer Comments on Christian Democrat Congress, by Pietro Ingrad, 6 pp.	JPRS 12831
No 36, 6 Feb 1962, pp 1, 2. Italian CP Journalist Scoccimarro Comments on Center-Left, by Mauro Scoccimarro, 4 pp.	JPRS 12831
No 43, 13 Feb 1962, pp 1, 9-11. Togliatti Report on the Turn to the Left, by Palmiro Togliatti, 30 pp.	JPRS 12999
No 44, 14 Feb 1962, pp 1, 7, 8. Debate on Center-Left and Togliatti Report, 53 pp.	JPRS 12999
No 8 (56), 26 Feb 1962, pp 1, 8, 10. Togliatti on PCI Role in Formation of Center-Left Government, by Palmiro Togliatti, 28 pp.	JPRS 13047
Vol XXXIX, No 57, 27 Feb 1962, p 1. Expectations and Struggle -- A Communist Estimate, 4 pp.	JPRS 13047

Western Europe  
Political (Contd)

Italian Delegation Frustrated at Moscow  
WFTU Congress, 8 pp.  
ITALIAN, np, Vita, 21 Dec 1961, pp 11-13.

JPRS 12634

Exacerbation of Class Conflicts in  
West Germany, by Otto Rheingold.  
(SF-1875).  
RUSSIAN, per, Kommunist, No 2, Jan 1962,  
pp 109-113.

\*JPRS

Military

The Munition-Supply-Station in the Field,  
by C. H. Heerens.  
DUTCH, per, De Militaire Spectator, No 9,  
1961, pp 351-361.

\*ACSI I-0960  
ID 2191519

New Weapons for the RNA, 4 pp.  
DUTCH, per, De Militaire Spectator, No 11,  
1961, OUSARMA Netherlands, Encl to  
R-522-61.

ID 2190436

Tests of a European Armament Policy  
(Electronic Equipment), Part II.  
Beyond Clausewitz, a New Doctrine of  
War, by Comboux.  
FRENCH, rpt, Essais sur une Politique  
Europeenne d'Armement (Materiels  
Electroniques) Fascicule II Une  
Nouvelle Doctrine de la Guerre, pp 1-15.

\*ACSI I-0893  
ID 2191504

Modernization of French Forces in Germany.  
FRENCH, per, L'Armee, No 14, 1961,  
pp 11-14.

\*ACSI I-0959  
ID 2191518

French Armed Forces, by Pierre Messmer, 6 pp.  
FRENCH, per, La Revue des Deux Mondes,  
15 Feb 1962.

AF 1495140

The Military Organization of the Swiss  
Confederation. Basic Law, 18 pp.  
GERMAN, rpt, 1907-1961.

AF 1464516

Western Europe  
Geographic

Reports on the Works of the National  
Geographic Institute, 1954-1957.  
FRENCH, bk, Expose des Travaux de  
L'Institut Geographique National,  
Annees 1954-1957, 1959.

ACIC

Sociological

Liability and Insurance of the Atomic  
Risk in the European Law Systems.  
FRENCH, bk, Responsabilite et Assurance  
du Risque Atomique dans les Droits  
Europeens, 1960, 166 pp.

AEC Tr-4515

The Expansion of Scientific Research,  
62 pp.  
FRENCH, per, l'Expansion de la Recherche  
Scientifique, No 6, 1960.

JPRS 12711

Scientific Education, by Daniele Sette,  
19 pp.  
ITALIAN, per, La Ricerca Scientifica,  
Vol I, No 4, 5, 1961, pp 181-193.

JPRS 12573

LATIN AMERICA

Economic

Cuba on the Threshold of the First  
Four-Year Plan, 8 pp.

GERMAN, per, Markt Informationen fur  
den Aussenhandel, Vol V, No 50,  
16 Dec 1962, pp 1, 2.

JPRS 12620

The Communications Problem in the  
Republic of Argentina, by Juan Autelli,  
14 pp.

SPANISH, rpt, El Problema de las  
Comunicaciones en la Republica  
Argentina, 1960, pp 3-23.

ACSI I-0693  
ID 2186160

Plans for a National Statistics  
Service in Cuba, by M. A. Santander  
Paez, 16 pp.

SPANISH, per, Hoy, Vol XXIV, No 12,  
13, 15, 16 Jan 1962, p 6.

JPRS 12695

Synthesis of Opinions on the Problem  
of Liquidity, 4 pp.

SPANISH, per, Panorama, No 17, Encl 1  
to Desp 1043, AmEmbassy, Buenos Aires,  
14 Feb 1962; CERP D-10.

Dept of State

Principal Provisions of Cuban Tax  
Law, 40 pp.

SPANISH, np, Revolucion, Vol V,  
No 948, 6 Jan 1962.

JPRS 12870

Latin America  
Political

Castroism on the American Continent, by E. de la Souchere, 9 pp.  
FRENCH, np, France Observateur,  
4 Jan 1962, pp 11-14.

JPRS 12612

Cuba -- How a Revolution Turned Communist, by Claude Julien, 5 pp.  
FRENCH, np, France Observateur,  
Vol XIII, No 609, 4 Jan 1962, pp 12, 13.

JPRS 12612

Cuba on the Kremlin Path, by Ernst Halperin, 37 pp.  
GERMAN, np, Die Zeit, Vol XVI,  
Nos 51, 52, 53; 15, 22, 29 Dec 1961.

JPRS 12686

Study on Communism in Brazil, by  
Harold I. Domingues.  
PORTUGUESE, rpt, Sep 1961.

AF 1492417

Selected Articles From the Portuguese  
Periodical Novos Rumos.

15-21 Dec 1961, pp 2-4.  
Twenty-Second Congress of the CPSU,  
20 pp.

JPRS 12735

5-11 Jan 1962, p 4.  
Regarding the 22nd Congress of the  
CPSU, 13 pp.

JPRS 12735

No 156, 2-8 Feb 1962, p 4.  
Leftist or Nationalist Democratic  
Front in Brazil, by Marco Antonio  
Coelho, 7 pp.

JPRS 12871

No 127, 9-15 Feb 1962, p 4.  
Brazilian Communist Analysis of the  
Soviet-Albanian Conflict, by  
Ivan Ramos Ribeiro, 7 pp.

JPRS 13035

No 159, 23 Feb-1 Mar 1962, p 4.  
Concerning "Exoticism of Ideologies",  
by Jacob Gorender, 6 pp.

JPRS 13048

How to Explain the Significance of the  
Fortieth Anniversary of the Communist  
Party, 10 pp.

Latin America  
Political (Contd)

Report to the Nation by Ecuadorean  
Minister of Public Works and Com-  
munications, by Carlos Valdano Raffo,  
42 pp.

SPANISH, rpt, Informe a la Nacion,  
Ministro de Obras Publicas y Com-  
unicaciones, Encl to R-344-61, ARMA  
Quito, 1960/1961.

ACSI I-0748  
ID 2178607

Vanguardia Popular Party Analyzes  
Results of the Elections, 5 pp.  
SPANISH, np, Adelante, 11 Feb 1962;  
Encl 1 to Desp 410, AmEmbassy,  
San Jose, 16 Feb 1962.

Dept of State

The 22nd Congress of the CPSU and the  
Development of the Cuban Revolution,  
by Blas Roca, 31 pp.  
SPANISH, np, Hoy, No 294, 16 Dec 1961,  
pp 5, 6, 7.

JPRS 12630

Regulations for the Operation of the  
Central Reserve Bank of Peru, Law No  
13958, 22 pp.  
SPANISH, np, El Peruano, 31 Jan 1962;  
Encl 1 to Desp 495, AmEmbassy, Lima,  
26 Feb 1962; Embdesp. No 273,  
21 Nov 1961; No 482, 15 Feb 1962.

Dept of State

Uruguayan Communist Editorial on  
Peaceful Coexistence, 5 pp.  
SPANISH, np, El Popular, 14 Feb 1962,  
p 3.

JPRS 12900

Selected Articles From the Spanish  
Newspaper El Siglo.

No 3237, 28 Nov 1961, pp 3, 4.  
Convocation Document of 12th  
National Congress, 13-18 March 1962,  
40 pp.

JPRS 12755

Latin America  
Political (Contd)

Selected Articles From the Spanish  
Newspaper El Siglo. (Contd)

2 Dec 1961, p 7.  
Corvalan Speech to Central Committee  
Plenum -- Opposes Polycentrism,  
Discusses Nature of Chilean Revolution,  
by Luis Corvalan, 16 pp.

JPRS 12755

17 Dec 1961, pp 9-13.  
I. Draft Program of the Chilean  
Communist Party Proposed by the  
Central Committee to the 12th Party  
Congress, 55 pp.

JPRS 12718

No 3298, 28 Jan 1962, pp 10, 12.  
Vargas Puebla Speaks to Chilean  
Communist Party Central Committee  
on Communist Party and Trade Union  
Movement, by Juan Vargas Puebla,  
14 pp.

JPRS 12871

No 3299, 29 Jan 1962, p 2.  
Conflict on the Ideological and  
Cultural Front in Chile, by  
Cesar Godoy Urrutia, 4 pp.

JPRS 12871

No 3322, 21 Feb 1962, p 2.  
The New Wording of the Program of the  
Communist Party of Chile, by  
Orlando Millas, 4 pp.

JPRS 12982

Latin America  
Sociological

Eulogies Delivered at Commemoration  
Ceremonies, 27 November.  
SPANISH, doc, 27 Nov 1961, OUSARMA,  
Brazil.

ID 2189594

National Liberation Party Program  
for Improving the Educational System,  
by Eloy Morua Carrillo, 8 pp.  
SPANISH, pamphlet, Programa de Educacion,  
pp 14-27; Encl 2 to Desp 448, AmEmbassy,  
San Jose, 7 Mar 1962; CERP, D-17;  
Embdes 399, 2/15/62; 420, 2/21/62.

Dept of State

University Reform Provisions in Cuba,  
38 pp.  
SPANISH, np, Hoy, Vol XXIV, No 7,  
10 Jan 1962, pp 4-6.

JPRS 12542



## SCIENTIFIC

### Aeronautics

Elements of the Movement of a Parachutist and Designing the Parachute, by S. M. Alekseyev, Ya. V. Balkina, 60 pp.

RUSSIAN, bk, Sovremennyye Sredstva Avariynogo Pokidaniya Samoleta, Chapter III, 1961, pp 69-122. 9664288

FTD-TT-61-466

Theoretical Bases for the Technology and Processes Involved in the Manufacture of Aircraft Components, by I. Ya. Zernov, L. A. Konorov, 789 pp. RUSSIAN, bk, Teoreticheskiye Osnovy Tekhnologii i Protsessy Izgotovleniya Detaley Samoletov, 1960, 633 pp. 9664310-V

FTD MCL-1336/1

The Calculation of the Fundamental Region of An Aerodynamic Turbulent Wake in Closed Flow, by B. G. Khudenko, 11 pp.

RUSSIAN, per, Inzhenerno Fiz Zhur, Vol III, No 12, 1960, pp 3-10. 9673542

FTD-TT-61-135

Atmospheric Turbulence as a Source of Disturbances for Automatic Control Systems of Aircraft, by Yu. P. Dobrolenskiy, 20 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energ i Avtomat, No 5, 1961, pp 174-184. 9673554

FTD-TT-61-368

The Flow of Moist Air in Wind Tunnel Nozzles, by A. S. Danilov, 30 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 6, 1960, pp 24-37. 9664293

FTD-TT-61-159

Motion Under the Action of a Central Force, by A. Ripianu, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 6, 1960, pp 105-108. 9664293

FTD-TT-61-159

Scientific  
Aeronautics (Contd)

Selected Articles From the Russian  
Periodical Iz Vysshikh Ucheb Zaved,  
Aviats Tekh.

No 2, 1958. 9675792

FTD-TT-61-45

Universal Method of Calculating  
Thermodynamic Characteristics of  
Rocket Fuels, by V. Ye. Alemasov,  
A. P. Tishin, 21 pp, (pp 74-85).

Calculation of Gas Ejector, by  
I. I. Kalmykov, 19 pp, (pp 93-103).

Some Results of Testing High Speed  
Centrifugal Pumps, by B. V. Ovsyannikov,  
V. F. Chebayevskiy, 13 pp, (pp 104-111).

No 4, 1960. 9673562

FTD-TT-61-189

The Self-Balancing of Supersonic  
Wings With Variable Dihedral of the  
Leading Edge, by Ye. V. Bulygina,  
10 pp, (pp 10-17).

Solution of the Extreme Problem of the  
Movement of a Point Having Variable  
Mass, by I. F. Vereshchagin, 19 pp,  
(pp 18-30).

No 1, 1961.

Optimum Programming of the Thrust  
of the Power Unit When the Flight  
Trajectory is Given, by  
Ye. V. Tarasov, 13 pp, (pp 38-45).  
9664300

FTD-TT-61-415

The Temperature Field of Discs and  
Runner Blades of Gas Turbines With  
Air Cooling, by V. I. Lokay,  
(pp 97-104).

\*FTD-TT-62-326

Scientific  
Aeronautics (Contd)

Selected Articles From the Russian  
Periodical Iz Vysshikh Ucheb Zaved,  
Aviats Tekh. (Contd)

No 4, 1961.

\*FTD-TT-62-379

On the Study of Stress Distribution  
in Monolithic Wings, by M. B. Vakhitov,  
(pp 128-131).

On the Calculation of Kinetic Energy  
of an Airplane Absorbed by the Brakes  
During a Run-Off, by V. S. Shishov,  
Yu. G. Korotkiy, (pp 149-155).

New Ski Landing Gear for the AN-1C  
(USSR).

RUSSIAN, np, Komsomolskaya Pravda,  
16 Dec 1961, p 1.

\*FTD-TT-62-407

Simulation of Ejection Apparatus, by  
B. S. Stefanovskiy.

RUSSIAN, per, Nauch Dok Vysshey Shkoly,  
Mash i Prib, No 1, 1958, pp 75-86.

\*FTD-TT-62-448

Methods of Approximate Calculation and  
Selection of Parameters for the Design  
of Aircraft, by A. L. Gimmel'farba.  
RUSSIAN, per, Trudy Inst Mosk Ordenc  
Lenina Aviat Inst, Metody Prib Raschetov  
i Vybora Parametrov pri Proyektirovanii  
Samoletov, No 138, 1961, 100 pp.

\*FTD-TT-62-451

Destruction of the Forward Edge of an  
Arrow-Shaped Wing in Hypersonic Flow,  
by G. A. Tirskiy.

RUSSIAN, per, Zhur Prik Mekh i Tekh  
Fig, No 6, Nov/Dec 1961, pp 54-68.

\*FTD-TT-62-338

A Controlled Gliding Parachute, by  
A. M. Foteyev, I. L. Glushkov,

A. I. Isanin, V. V. Tamarovich.

RUSSIAN, Patent No 35344 (652533/27 of  
29 Jan 1960).

\*FTD-TT-62-349

Scientific  
Aeronautics (Contd)

A Device for Automatically Bringing  
Into Action a Parachute Rescue  
System, by I. L. Amiragov, V. V.  
Ruzakov, L. F. Rastegayev,  
A. V. Govotov.  
RUSSIAN, Patent No 132957, (655682/40  
of 22 Feb 1960).

\*FTD-TT-62-350

Effect of Jet Exhausted From the  
Trailing Edge on the Aerodynamical  
Properties of a Thin Wing Profile,  
by Svetopolk Pivko.  
CROATIAN, per, Tehnika, No 9, 1960,  
pp 1699-1702.

\*FTD-TT-62-283

The M 110 H Airplane Engine, by  
Frantisek Chmura, Josef Kutek, 5 pp.  
CZECH, per, Kridla Vlasti, No 26,  
1961, pp 14-16.

JPRS 12830

Carrier Rockets - Basis of Astro-  
nautics, by M. Ledvina, 5 pp.  
CZECH, np, Praca, 9 Aug 1961.  
9673513

FTD-TT-61-364

Adaptation of the Wings in Subsonic  
Condition. The Support and Symme-  
trical Effects, by M. Enselme.  
FRENCH, brochure, Direction Physique  
Generale Laboratoire D'analogies  
Electriques N. T. 31/1101 AP,  
10 Jun 1958, 17 pp.

\*FTD-TT-62-263

Note on the Calculation of Body Drag  
With Detached Wave, by Unic.  
FRENCH, brochure, S.N.C.A.S.O.,  
Etude Generale Aerodynamique, No 2206  
Ter, 6 Feb 1956, 20 pp.

\*FTD-TT-62-261

Application of the Theory of Homo-  
geneous Streamlining for Research on  
the Adaptation of Certain Wings in a  
Supersonic Regime, by M. Fenain,  
D. Vallee.  
FRENCH, brochure, ONERA, M. T. No 14,  
Part I., 19 Jun 1958, 134 pp.

\*FTD-TT-62-266

Scientific  
Aeronautics (Contd)

Selected Articles From the French  
Brochure ONERA, Direction Aerodynamique.

- Note Technique 19/1131 A., Jun 1960,  
17 pp. \*FTD-TT-62-257  
Variation of the Aerodynamic Character-  
istics of Wings Adjusted as a Function  
of the Mach Number, by D. Vallee,  
M. Fenain.
- Rapport 3/2448 A, Sep 1960, 7 pp. \*FTD-TT-62-262  
Application of the Rheoelectric  
Method for the Calculation of Wing  
and Fuselage Assembly to Mach1, by  
M. Enselme, H. Billig.
- Note Technique 20/1131 A., Mar 1961,  
14 pp. \*FTD-TT-62-258  
Variation of the Aerodynamic Charac-  
teristics of Delta Wings Adapted  
as a Function of the Mach Number  
(Order), by D. Vallee, M. Fenain.
- Note Technique 22/1131 A., May 1961,  
13 pp. \*FTD-TT-62-259  
Calculation of the Supporting Surfaces  
at the Ideal Angle of Incidence, by  
M. Fenain.
- Note Techniques 23/1131 A, May 1961,  
18 pp. \*FTD-TT-62-260  
Numerical Calculation of the Wings  
With the Ideal Incidence, by D. Vallee.
- Rapport 1/2337 A, May 1961, 83 pp. \*FTD-TT-62-264  
Aerodynamique Characteristics of the  
Wing Fuselage. Assembly in the  
Vicinity of Sonic Velocity, by  
P. Bevierre, M. Belmas.
- The Protection of Ballistic Missile  
Sites, by C. Rougeron, 33 pp.  
FRENCH, per, Rivista Aeronautica, No 9,  
1960, pp 1351-1370. ACSI I-0746  
ID 2186169

Scientific  
Aeronautics (Contd)

Study of the Main Unit Controls,  
by Utter-Bittes.  
FRENCH, brochure, Sud-Aviation;  
Rapport No. 4060/40., 1957, 34 pp.

\*FTD-TT-62-255

Study of the Main Unit Controls, by  
Utter-Bittes.  
FRENCH, brochure. Sud-Aviation;  
Rapport No 4060/39., Jan 1957, 42 pp.

\*FTD-TT-62-254

Study of the Internal Drag of the  
Controls and of the Brake Flow at the  
Low Limite During Decompression,  
by Carriere-Bouillot.  
FRENCH, brochure, Sud-Aviation;  
Rapport No. 4060 01/50., Jun 1957,  
39 pp.

\*FTD-TT-62-256

A Layout for Vibration Measurements in  
Aircraft Construction, by W. Ehrlich,  
H. Ganzleben, D. Minder, 17 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, pp 287-294.

JPRS 12588

Adapting a Wing With a Flapping Rudder  
to a Wing Flap, by Wilhelm Schmidt,  
7 pp.  
GERMAN, per, Deutsche Flugtechnik,  
No 11, 1960, pp 350-352. 9664200

FTD-TT-61-125

Physiological Effect of Coriolis  
Accelerations in Aircraft Control,  
by G. Schubert.  
GERMAN, per, Z. fur Hals-, Nosen-und  
Ohrenheilkunde, Vol XXX, 1932,  
pp 595-604.

CSIRO

A Saucer-Shaped Airplane, by  
C. Teodorescu-Tintea, Fl. Zaganescu,  
8 pp.  
ROMANIAN, per, Stinta si Tehnica,  
No 12, 1960, pp 20-21. 9664198

FTD-TT-61-86

Scientific  
Aeronautics (Contd)

Investigations of the Flow Over the  
Upper Surface of a Delta-Wing in  
Conjunction With Measurements of the  
Heat-Transfer - Coefficient and  
Temperature Distributions, by  
H. Thomann.

SWEDISH, per, F.F.A. Rep. (AU-11-120),  
1960.

RAE 965

Measurements of Heat Transfer Coefficient,  
Temperature and Pressure Distribution  
on a Delta Wing at M-3.0, by H. Thomann.  
SWEDISH, per, F.F.A. Rep. (AU-11-120:1),  
1960.

RAE 964

Scientific  
Astronomy

Qualitative Methods in the Many-Body  
Problem, by G. F. Khilmi, 128 pp.  
RUSSIAN, bk.

Gordon & Breach

Explanations to the Astronomic Year-  
book for 1962.  
RUSSIAN, bk, Astronomicheskiy Yezhegodnik  
SSSR na 1962, 1960, pp 587-647.

\*ACIC

Radio Electronics in Investigations of  
the Cosmos, by V. I. Siforov, 5 pp.  
RUSSIAN, bk, Radioelektronika v  
Issledovaniyakh Kosmosa, Izdatel'stvo  
Znaniye, 1960, pp 41-44.

FTD-TT-61-85

Selected Articles From the Russian  
Book Trudy Tyatogo Soveshchaniya po  
Voprosam Cosmogonii, 1956.

ACIC

Cosmic Radio Emission and Cosmic  
Rays, by V. L. Ginzburg, (pp 438-456).

Polarization of Nonthermal Cosmic  
Radiation, by G. G. Getmantsev,  
V. A. Razin, (pp 496-507).

Theory of the Fermimechanism, by  
S. A. Kaplan, (pp 508-511).

The Mechanism of Formation of  
Ionospheric Inhomogeneities Causing  
the Scintillation of "Radio Stars",  
by V. L. Ginzburg, (pp 512-519).

Selected Articles From the Russian  
Book Voprosy Kosmogonii, Vol VII, 1960.

\*ACIC

On the Question of Formation of  
Protoplanets, by Ye. L. Ruskol,  
(pp 8-14).

On the Question of Formation and  
Evolution of Photoplanet Dust Con-  
densations, by V. S. Safronov,  
(pp 121-141).

Again on the Central and Peripheral  
Theories of Stars' Oscillation, by  
S. A. Zhevskii, (pp 324-332). - 166.-



Scientific  
Astronomy (Contd)

Revision of Hartwig's Observations  
of the Moon (1890-1915) Taking Into  
Account the Liberation Effect, by  
A. A. Gorynya, 4 pp.

RUSSIAN, per, Astronomicheskiy  
Tsirulyar, No 211, 1960, pp 14-16.  
9673549

FTD-TT-61-13

Selected Articles From the Russian  
Periodical Byul Glavnoy Astron  
Observatorii, No 1, 1960.

\*ACIC

The Determination of the Function  
of Moments of the Moon's Inertia  
From Heliometric Observations in  
Kazan, by A. A. Yakovkin, (pp 3-14).

Large Couples and Multiple Systems  
Which Were Found From Proper  
Motions of the Stars, by A. B. Oregina,  
(pp 15-22).

The Determination of Constants of  
the Physical Libration From Hartwig's  
Observations in 1890-1922, With Due  
Regard for a Librating Effect on  
the Radius of the Moon, by  
A. A. Gorynya, (pp 23-35).

The Determination of Stellar Magnitudes  
of 240 Stars of Kapteyn's Area,  
Using the Red Filter, by  
L. N. Kolesnik, (pp 41-51).

The Determination of the Velocity  
of a Meteor With a Small Angle of  
Convergence, by E. S. Kheylo,  
(pp 119-125).

The Tricolor Photometry of Stars  
of the Aquila Constellation, by  
V. I. Vorschilov, Sh. G. Gordeladze,  
(pp 126-129).

Scientific  
Astronomy (Contd)

Selected Articles From the Russian  
Periodical Byul Inst Teoret Astron,  
Ak Nauk SSSR.

ACIC

Vol IV, No 8 (61), 1950.  
Several Stokes' Constants for the  
Compensated Triaxial Ellipsoid, by  
I. D. Zhongolovich, (pp 375-389).

Differences of the Principal Moments  
of Inertia of the Triaxial Earth, by  
D. V. Zagrebin, (pp 390-401).

The Determinations of the Undulations  
of the Geoid by Considering Terms of  
the Order of the Flattening of the  
Terrestrial Ellipsoid, by  
D. V. Zagrebin, (pp 402-407).

Vol V, No 4 (71), 1953, pp 476-497.  
The Astronomical Yearbook of the  
USSR, by A. M. Gizhitskiy.

Vol V, No 8 (71), 1953.  
Summary of the Conference on the  
Astronomical Yearbook of the USSR,  
(pp 461-465).

The Astronomical Yearbook of the  
USSR and the Basic Tasks of Ephemeris  
Astronomy, by M. F. Subbotin,  
(pp 466-475).

The History of the Compilation of  
Nautical and Aerial Astronomical  
Ephemerides in Our Country, by  
I. D. Zhongolovich, (pp 498-511).

Obtaining Lunar Ephemerides Using  
Analytic Computers, by D. V. Zagrebin,  
(pp 546-559).

Scientific  
Astronomy (Contd)

News About the Temperature of Venus,  
3 pp.

RUSSIAN, np, Ekon Gazeta, No 6,  
11 Sep 1961, p 44.

Navy Tr 3042/NRL 882

Causality As a Basis of Cosmology,  
by G. M. Idlis, 45 pp.  
RUSSIAN, per, Iz Astrofiz Inst, Vol XII,  
1961, pp 37-55.

JPRS 12860

Stars on the Wire, by V. Chernikova,  
(DC-6707).  
RUSSIAN, per, Nedelya, No 52, 1961,  
18 pp.

\*JPRS

Hyperon Stars, by G. S. Saakyan, 19 pp.  
RUSSIAN, per, Priroda, No 11, 1960,  
pp 14-21. 9664284

FTD-TT-61-314

Selected Abstracts From Soviet  
Abstracts Journal, Astronomy and  
Geodesy, 25 pp.  
RUSSIAN, per, Referativnyy Zhur 1,  
No 1, 3, 4, 5, 6, 7, 8, 9, 1961.

JPRS 12669

The Theory of the Regularized Geoid,  
by D. V. Zagrebin.  
RUSSIAN, per, Trudy Inst Teoret Astron,  
Ak Nauk SSSR, Vol I, 1952, pp 87-222.

ACIC

Radioastronomy Investigations and  
Instruments, by R. L. Sorochenko,  
(DC-6669).  
RUSSIAN, per, Vest Ak Nauk SSSR,  
Vol XXXI, No 11, 1961, pp 88-93.

\*JPRS

At the International Astronomical  
Union, by A. A. Mikhaylov, 3 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR,  
Vol XXXI, No 12, 1961, pp 94-97.

JPRS 13006

Excitation of the Solar-Irradiated  
Aurora, by O. Oldenberg.  
GERMAN, per, Z. fuer Physik, Vol CXXXIII,  
1952, pp 15-20.

CSIRO

Scientific  
Biology

New Mesozoic Species of Gymnosperms  
From Northwest Kazakhstan, by  
V. P. Vladimirovich, 4 pp.  
RUSSIAN, rpt, 1956.

MEB

K. A. Timiryazev and the Study  
of Photosynthesis, by Ye. M.  
Senchenkova (DC-6710).  
RUSSIAN, bk, K. A. Timiryazev i  
Ucheniye o Fotosinteze, 1961,  
pp 155-180.

\*JPRS

Mutations in Drosophila Melanogaster.  
1. Distribution of Sterility  
Mutations in the Chromosomes of  
Drosophila Melanogaster, by  
R. L. Berg.  
RUSSIAN, bk, Obshchestva Estestvoispytatelei,  
1938, pp 96-108.

\*AEC

Commercial Fishes of the USSR, by  
L. S. Ferg, et al.  
RUSSIAN, bk, Promyslovye Ryby SSSR,  
1949, pp 519-521.

Dept Interior, Biol Lab  
Bur of Commercial Fisheries  
Seattle, Washington

Radiobiology, by D. E. Grodzenskiy.  
RUSSIAN, bk, Radiobiologiya,  
Biologicheskoye Deystviye  
Ioniziruyushchikh Izlucheni,  
1961, pp 20-120.

\*FTD-TT-62-355

Geologic Activity of Microorganisms.  
RUSSIAN, bk, Geologicheskii  
Aktivitiy Mikroorganizm.

\*CB

Metabolism of Denervated Insect  
Muscle, by I. Novotny.  
RUSSIAN, per, Acta Soc Zoolog  
Fohemoslovenicae, Vol XXII,  
No 3, 1958, pp 232-237.

NLL M. 3029

Scientific  
Biology (Contd)

Some Laws of the Light Stimulation  
of the Giant Axon of the Cuttlefish,  
by R. G. Lyudkovskaya, 11 pp.  
RUSSIAN, per, Biofizika, Vol VI,  
No 3, 1961, pp 300-308.

JPRS 12645

Measurement of the Rest Potential  
and the Action Potential of the  
Giant Fiber of the Squid Under  
Different Conditions of Discharge,  
by L. M. Chaylakhyan, 8 pp.  
RUSSIAN, per, Biofizika, Vol VI,  
No 3, 1961, pp 309-316.

JPRS 12645

On the Nature of the Inhibitors  
Effect of Mitochondria Upon  
Clycolysis, by E. A. Pinus,  
N. M. Sissakian.  
RUSSIAN, per, Biokhim, Vol XXVI,  
No 6, 1961, p 190.

\*AEC

On Biocoenoses, by A. A. Shorygin.  
RUSSIAN, per, Bull Moskov Obshch  
Ispytatel Prirod Otdel Biolog,  
Vol LX, No 6, 1955, pp 86-98.

CSIRO

N-Oxides of Alkaloids of the Plant  
Senecio Platyphyllus, by L. Areshkina.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV,  
No 5, 1949, pp 711-714.

CSIRO 3769

The 22nd Congress of the CPSU and  
the Tasks of Biological Sciences.  
(DC-6730)  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser  
Biol, Vol XXVII, No 1, 1962,  
pp 3-12.

\*JPRS

Scientific  
Biology (Contd)

Putting Into Practice....Cytology  
[Put Into] Practice, by A. S. Troshin,  
V. P. Pribok, et al, (DC-6731).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser  
Biol., Vol XXVII, No 1, 1962, pp 127-130.

\*JPRS

The Third Conference on the Use of  
Mathematical Methods in Biology,  
by A. Ye. Vitgeft, (DC-67.2).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser  
Biol., Vol XXVII, No 1, 1962, pp 151, 152.

\*JPRS

Collection of Self-Pollinated Corn  
Varieties of Dutch and South-  
European Origin, by F. F. Sidorov.  
RUSSIAN, per, Kukuruza, No 10, 1961,  
pp 60, 61.

\*USDA

Simple Method for the Continuous  
Culture of Micro-Organisms Under  
Stationary Conditions, by V. A.  
Kordyum, 6 pp.  
RUSSIAN, per, Mikrobiol Zhur,  
Vol XXIII, No 2, 1961, pp 73-75.

JPRS 12547

Remarks of Insufficiently Studied  
Problem of Soil Hydrology, by  
Yu. Gotshalk.  
RUSSIAN, per, Pochvovedenie, No 1,  
1957, pp 76-81.

CSIRO 3739

First Plenum of the Commission for  
Soil Nomenclature and Classification  
at the Academy of Sciences of the USSR,  
by N. N. Rozov.  
RUSSIAN, per, Pochvovedenie, No 8,  
1957, pp 60-65.

CSIRO 3742

Scientific  
Biology (Contd)

Natures Patents, by I. Akimushkin,  
Yu. Kalinin, 12 pp.  
RUSSIAN, per, Priroda, No 3,  
Aug 1961, pp 88-93.

JPRS 12584

Selected Abstracts From Soviet  
Abstracts Journal, Biology,  
51 pp.  
RUSSIAN, per, Referativnyy  
Zhur. Biologiya, No 6/7, 1961.

JPRS 12536

Monogenetic Trematodes of Some  
Fishes in Iran Collected by  
E. N. Pavlovsky, by B. E. Bykhovsky.  
RUSSIAN, per, Trudy Ak Nauk SSSR,  
Zool Inst, Vol VIII, No 4, 1949,  
pp 870-878.

CSIRO

Chareal Algae in Cenoses of Hydro-  
Macrophytes, by K. V. Dobrokhotova.  
RUSSIAN, per, Trudy Vses Gidrobiol  
Obshch, Vol V, 1953, pp 258-263.

\*USDA

Granary Mites as Vectors of Diseases  
of Agricultural Crops, by A. M.  
Sigrianskiy.  
RUSSIAN, per, Uchenye Zapiski Moskov  
Gosud U. Zoologiya, Vol XLII, 1940,  
pp 167-177.

NLL RTS 1839

The Organ and the Cell, by G. K.  
Khrushchov, V. Ya. Brodskiy, 40 pp.  
RUSSIAN, per, Uspekhi Sovremennoy  
Biol, Vol LII, No 2, 1961, pp 181-207.

JPRS 12650

Certain Problems of Space Biology,  
by O. G. Gazenko.  
RUSSIAN, per, Vest Ak Nauk SSSR,  
No 1, 1962, pp 30-34.

\*FTD-TT-62-412

Scientific  
Biology (Contd)

Biologically Active Substances  
of Plant Origin, by A. A. Fedorov,  
G. V. Pigulevskiy.

RUSSIAN, per, Vest Ak Nauk SSSR,  
No 1, 1962, pp 62-67.

\*USDA

Installation for Studying Algae, by  
V. E. Semenenko, A. A. Nichiporovich.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 1,  
1962, pp 77-79.

\*USDA

Selected Articles From the Russian  
Periodical Vest Selskokh Nauk.

No 12, 1961.

\*USDA

Prognosis of Display of Heterosis  
in Corn, by S. G. Manzyuk, (pp 47-50.)

Selection-Seed Growing Work With  
Early Maturing Hybrids and  
Varieties of Corn, by I. N. Elagin,  
(pp 151-154.)

No 1, 1962.

\*USDA

Tasks of Agricultural Microbiology,  
by E. F. Berezova, (pp 10-14.)

On Some Aspects of the Studies of  
Light Physiology and Light Culture  
of Plants, by I. A. Shul'gin,  
V. S. Khazanov, T. B. Rzhanova,  
(pp 34-40.)

Ways of Increasing the Biological Activity  
of Protein Hydrolysates, by Yu. N. Kremer,  
A. A. Shmidt, 14 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX,  
No 6, 1961, pp 3-11.

JPRS 12837



Scientific  
Biology (Contd)

The Hygienic Evaluation of Food  
Products Treated With Antibiotics,  
by Yu. I. Rubinshteyn, 7 pp.  
RUSSIAN, per, Voprosy Pitaniya,  
Vol XX, No 6, 1961, pp 18-22.

JPRS 12837

Effect of KU-1 Cation Exchange  
Resin Treatment of Cow's Milk  
on Several Hygienic Indices of  
Such Milk, by A. V. Bogolyubova,  
6 pp.  
RUSSIAN, per, Voprosy Pitaniya,  
Vol XX, No 6, 1961, pp 67-70.

JPRS 12837

The Effect of Radiation on  
Biological Phenomena, by E. Ernst,  
12 pp.  
RUSSIAN, per, Voprosy Tsitol i  
Obshch Fiz, 1960, pp 382-390.

JPRS 12921

Selected Articles From the Russian  
Periodical Zashchita Rasteniy  
ot Vreditel'ey i Bolezney.

No 2, 1961.

JPRS 12665

Prospects for the Use of Systemic  
Poisons in Gardens, by T. N. Polevoy,  
M. T. Dotsenko, Sh. A. Rozinskiy,  
3 pp, (pp 8-10.)

Seed Dressers, by K. S. Mushnikova,  
11 pp. (pp 33-37.)

Tenth International Conference on  
Plant Quarantining and Protection,  
by I. A. Churayev, L. N. Zotsenko,  
9 pp, (pp 48-51.)

Zonal Coordination Conferences, 14 pp,  
(pp 51-56.)

Scientific  
Biology (Contd)

Selected Articles From the Russian  
Periodical Zashchita Rasteniy ot  
Vreditel'ey i Bolezn'ey. (Contd)

No 4, 1961.

JPRS 13146

All-Union Coordinating Conference  
on the Quarantine and Protection of  
Agricultural Plants and Forest  
Planting, 4 pp, (pp 57-60.)

Second All-Union Conference on the  
Struggle With Soil Inhabiting Pests,  
3 pp, (pp 60, 61.)

Experimental Observations of Group  
Associated Immunization With Aerosols  
From Anatoxins (Tetanus and Staphylococcus),  
by I. F. Titarenko.  
RUSSIAN, per, Zhur Mikrobiol, Epidemiol,  
i Immunobiol, No 2, 1962, pp 8-14.

\*USDA

Species and Species Formation in  
Animals, by V. I. Vladimirov.  
RUSSIAN, per, Zool Zhur, Vol XXXIII,  
No 4, 1954, pp 755-768.

CSIRO 3568

A Method of Determining the Age and  
Length of Life of the Muskrat, by  
D. S. Tsygankov.  
RUSSIAN, per, Zool Zhur, Vol XXXIV,  
No 3, 1955, pp 640-651.

CSIRO 3570

Poison Bearing Plants in Bulgaria, by  
P. Prodanov.  
BULGARIAN, per, Priroda, No 4, 1961,  
pp 36-43.

\*ACSI I-1008  
IL 2191529

Scientific  
Biology (Contd)

A Survey of Some Investigations  
Concerning the Problem of Wood  
Drying, by E. Niskanen.  
FINNISH, per, Paperi ja Puu,  
Vol XXXIX, No 3, 1957, pp 99-108.

CSIRO 3660

The Nonspecificity of Zinc as a  
Biological Catalyst in Cultures of  
*Aspergillus Niger*. Replacement of  
Zinc in Raulin's Medium by Cadmium  
and Beryllium, by Charles Lapierre,  
3 pp.  
FRENCH, per, Comptes Rendus Acad Sci,  
Vol CLVI, 1913, pp 258-261.

NIH 12-14-61

A Note on Electrode Potential of  
Semiconductors in Solution, by  
Georges Feuillade, 3 pp.  
FRENCH, per, Comptes Rendus  
Acad Sci, Vol CCLII, No 9,  
1961, pp 1288-1290.

NIH 12-16-61

Microscopical Anatomical Investigations  
About the Reproduction in Haddock  
(*Sebastes Marinus Linne*), by J.  
Magnusson.  
GERMAN, per, Allgemeine Zellforschung  
und Mikroskopische Anatomie, Vol XLIII,  
1955, pp 121-167.

CSIRO

The Water-Holding Properties of Beef,  
by B. R. Suri.  
GERMAN, per, Die Fleischwirtschaft,  
Vol IX, No 9, 1957, pp 549-551.

CSIRO 3772

The Proposed Laws on Veterinary Affairs  
and on the Organization and Management of  
Livestock Breeding, 28 pp.  
GERMAN, per, Monatshefte fuer Veterinaer  
Medizin, Vol XVI, No 19, 1 Oct 1961,  
pp 1-12.

JPRS 12513

Scientific  
Biology (Contd)

Sterilization of Escherichia Coli  
Germs by Chlorine Dioxide and Ozone,  
by J. Holluta, U. Unger, 24 pp.  
GERMAN, per, Vom Wasser, Vol XXI,  
1954, pp 129-142.

AEC NP Tr-745

Hormonal Influence of the Ring  
Gland (Corpus Allatum Upon  
Puparium Formation in Flies, by  
E. Hadorn, et al.  
GERMAN, per, Wilhelm Roux' Archiv  
fuer Entwicklungsmechanik der  
Organismen, Vol CXXXVIII, 1938,  
pp 281-304.

CSIRO

The Damage Caused by the Potato  
Eelworm, by Lajos Rainiss, 8 pp.  
HUNGARIAN, per, Novenytermeles, Vol X,  
No 3, 1961, pp 269-274.

JPRS 13014

Possibility to Demonstrate Fixing  
Antibodies in the Serum of Swine  
Immunized Against Hog Cholera,  
by G. Guarini.  
ITALIAN, per, Societa Italiana  
Delle Scienze Veterinarie Atti,  
Vol VII, 1953, pp 764-768.

CSIRO

Dynamic Studies on the Nutrient  
Uptake by Crop Plants. 2. Studies  
on the Base Exchange Capacity of Plant  
Roots, by S. Matsui.  
JAPANESE, per, Journal of Soil Manure  
Science, Vol XXVII, 1956, pp 30-32.

CSIRO 3507

The Freshwater Fishes and Its  
Environment, by Toyohiko Hikita.  
JAPANESE, per, Scientific Report  
Hokkaido Salmon Hatchery, No 15,  
1961, pp 47-67.

Dept Interior  
Biol Lab  
Bur of Commercial  
Fisheries, Seattle

Scientific  
Biology (Contd)

The Damage of Salmon Eggs and  
Fry by Predaceous Fishes, by  
Toyoshiko Hikita, Ariaki Nagasawa.  
JAPANESE, per, Scientific Reports  
Hokkaido Salmon Hatchery, No 15,  
1961, pp 69-83.

Dept Interior  
Biol Lab  
Bur of Commercial Fisheries  
Seattle

Biological Effect of CM and DM  
Waves, by S. Haduch, P. Czerski,  
S. Baranski, 15 pp.  
POLISH, per, Lekarz Wojskowy,  
Vol XXXVI, No 8, 1960,  
pp 792-803. 9664227

FTD-TT-61-379

New Species of the Genus  
Atactorhyncus Van Cleave,  
1935, by D. A. Machado Fildo.  
PORTUGUESE, per, Revista  
Brasileira de Biologie, Vol XI,  
1951, pp 29-31.

CSIRO

Data on Fish in the Bistrita River  
and Their Long Range Prospects for  
Development in the Bicaz Storage  
Lake, by Ion Miron (NY-6999).  
RUMANIAN, per, Natura, Vol XIII,  
No 5, Sep-Oct 1961, pp 61-65.

\*JPRS

Selected Abstracts From East  
European Technical and Scientific  
Journals, Biology, and Medicine  
(1), 49 pp.  
VARIOUS, per, 1961.

JPRS 12943

The Distribution and Excretion of  
Radioactive Ruthenium ( $^{106}\text{Ru}$ ) in Mice,  
by Sairenji.  
UNKNOWN, per, Radioisotopes, Vol IX,  
No 3, 1960, pp 275-288.

\*AEC

Scientific  
Chemistry

Electrochemistry of Molten and Solid  
Electrolytes, 100 pp.  
RUSSIAN, bk, Collection of Papers.

CB

Some Changes in Nucleoproteins, Nucleic  
Acids and Their Metabolic Products  
Caused by Ionizing Radiation, by  
T. N. Rysina, 9 pp.  
RUSSIAN, bk, Biologicheskoye Deystviye  
Radiatsii i Voprosy Raspredeleniya  
Radioaktivnykh Izotopov, 1961,  
pp 9-17.

JPRS 12704

Toxic Agents, 27 pp.  
RUSSIAN, encyclopedia, Bol'shaya  
Meditsinskaya Entsiklopediya, 1961, pp 806-829.

JPRS 12749

Use of Antibiotics for the Preser-  
vation of Food Products, by G. B. Dubrova,  
3 pp.  
RUSSIAN, monograph, Primeneniye Antibiotikov  
dlya Sokhraneniya Pishchevykh Produktov,  
1961, pp 82-84.

JPRS 12828

Hydrophobization in Building-Repair  
Work, by N. V. Shorokhov.  
RUSSIAN, bk, Proceeding From Conference  
in Leningrad, 1958, on the Practical  
Application of Organo-Silicon Com-  
pounds., pp 92-97.

NLL M.3387

The Role of Antioxidants in Initial  
Radiobiological Effects, by  
A. I. Zhuravlev, 21 pp.  
RUSSIAN, bk, Rol'perekisey i Kisloroda v  
Nachal'nykh Stadiakh Radiobiologicheskogo  
Effekta, 1960, pp 55-66.

JPRS 12465

The Effect of Ionizing Radiation on  
Oxidation-Reduction Reactions in a  
Cell, by D. M. Mikhlin, 8 pp.  
RUSSIAN, bk, Rol'perekisey i Kisloroda v  
Nachal'nykh Stadiakh Radiobiologicheskogo  
Effekta, 1960, pp 67-71.

JPRS 12465

Scientific  
Chemistry (Contd)

Alloys on the Base of High-Melting  
Compounds, by G. V. Samsonov,  
K. I. Portnoy.  
RUSSIAN, bk, Splavy na Osnove Tugo-  
plavkikh Soedineniy, Oborongiz, 1961,  
303 pp.

\*FTD-TT-62-430

The Fuel Combustion Process in a Cen-  
trifugally Squeezed Layer, by  
N. I. Syromyatnikov.  
RUSSIAN, rpt, Trudy Mezhvuz. Konferentsii  
po Energotekhnol. Ispol'zovaniyu i  
Ratsional'n. Metodam Szhiganiya Melko-  
zernist. Topliva. Sverdlovsk Ural'skiy  
Politakhn. Inst; 1959, pp 128-135.

\*FTD-TT-62-321

The Inter-Relationships Between  
Cellulose-Decomposing Bacteria and  
Azotobacter, by Yu. Voznyakovskaya.  
RUSSIAN, per, Agrobiologiya, No 4,  
1954, pp 81-85.

CSIRO 3563

The Detoxifying and Disintoxicating  
Properties of Mycerin With Respect to  
Botulinus and Staphylococcal Toxins,  
by V. N. Derkach, 6 pp.  
RUSSIAN, per, Antibiotiki, Vol VI,  
No 11, 1961, pp 1006-1009.

JPRS 12924

The Use of Ionizing Radiations for  
Control of Dormancy in Potatoes  
During Storage, by B. A. Rubin,  
L. V. Metlitskiy, Ye. G. Sal'kova,  
93 pp.  
RUSSIAN, per, Biokhimiya. Plodov i  
Ovoshchey, Bio 6, No 6, 1961, pp 5-57.

JPRS 12791

Investigation of the Chlorination of  
Niobium Pentoxide and Zirconium  
Dioxide, by I. S. Morozov,  
B. G. Korshunov, 17 pp.  
RUSSIAN, per, Chemistry of Rare Elements,  
No 2, 1955, pp 102-114. 9095553

AEC Tr-4868

Scientific  
Chemistry (Contd)

Wood-Drying in Superheated Steam,  
by I. Krechetov, B. Tsarev.  
RUSSIAN, per, Derevoob Prom, Vol IV,  
No 12, 1955, pp 9-12.

CSIRO 3673

Synthesis of Aliphatic Compounds of  
Elements by a Diazo Method. Synthesis  
of Compounds of Group III Elements:  
Organo-Thallium and Boron Compounds,  
by A. Ya. Yakubovich, V. A. Ginsburg.  
RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol LXXIII, No 5, 1950, pp 957-958.

MLL RTM 195

Polymerization of Nitroethylene Under  
the Action of Radiation by  
V. N. Sokolov, I. Ya. Poddubnyy, et al.  
RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol CXXXVIII, No 3, 1961, pp 619-620.

\*FTD-TI-62-296

Hydrogen Embrittlement of Alloys of  
Iron With Chromium as a Function of  
the Temperature and the Testing Speed,  
by V. A. Yagunova, K. V. Popov.  
RUSSIAN, per, Fiz Metal i Metall,  
Vol XII, No 2, 1961, pp 176-182.

\*FTD-TT-62-444

On the Character of the Reaction of  
Certain Refractory Carbides and Their  
Solid Solutions With Carbon, by  
K. I. Portnoy, Yu. V. Levinskiy,  
V. I. Fadeyeva, 4 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Metall i Toplivo, No 2,  
1961, pp 147-419. 9095552

AEC Tr-4871

Kinetics of Ammonia Synthesis on an  
Iron Catalyst With Addition of  
Uranium, by A. P. Zasorin,  
V. G. Khalabuzar, Ye. I. Pizin.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Khim i Khim Tekh, Vol III, No 4, 1960,  
pp 695-698.

\*Dept of Interior



Scientific  
Chemistry (Contd)

The Synthesis of Some C<sub>15</sub>--C<sub>19</sub> Cyclohexane Hemologs Which Have Increased Volumetric Heat of Combustion, by Ye. B. Sokolova, M. P. Shebanova, 7 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim Tekh, Vol III, No 6, 1960, pp 1040-1044. 9664207

FTD-TT-61-279

Equilibria in the Nb - C - O System, by F. G. Kusenko, P. V. Gel'd, 9 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metall, No 2, 1961, pp 43-52. 9095539

AEC Tr-4867

The Calculation of Catalytic Processes in Industrial Reactors, by G. K. Breskov, M. G. Slin'ko. RUSSIAN, per, Khim Prom, No 3, 1960, pp 193-201.

NLL RTS 1883

Removal of Sulphur Compounds From Hydrocarbon Gases, by E. G. Rozantsev, I. I. Verger. RUSSIAN, per, Khim Prom, Vol V, 1961, pp 339-340.

\*Dept of Interior

The Evaluation of the Lacquer Forming Tendencies of Lubricating Oils, by V. S. Demchenko. RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol VIII, 1961, pp 53-57.

Thornton Res Centre  
1058

Fifth International Biochemical Congress, by Ye. A. Govorovich, 16 pp. RUSSIAN, per, Klin Med, Vol XXXIX, No 12, 1961, pp 132-138.

JPRS 12085

Physiologically Active Polypeptides, by L. N. Fokina, G. I. Samokhvalov, 13 pp. RUSSIAN, per, Med Prom, Vol XV, No 11, 1961, pp 3-12.

JPRS 13003

Scientific  
Chemistry (Contd)

Methyldiazyl, Methyldiphacyl, and  
Their Ammonium Salts, by S. F. Torf,  
N. V. Khromov-Borisov, M. L. Indenbom,  
15 pp.  
RUSSIAN, per, Med Prom, No 12, 1961,  
pp 19-25.

JPRS 12705

Rehabilitation of DNA, by R. Salganik.  
RUSSIAN, per, Nauka i Zhizn, Vol XXIX,  
No 1, 1962, pp 10-13.

\*USDA

An Unseen Intermediary The Role of  
Soluble RNA in Protein Synthesis,  
by D. Knorre.  
RUSSIAN, per, Nauka i Zhizn, Vol XXIX,  
No 1, 1962, pp 47-49.

\*USDA

Analysis of Plutonium by the Method of  
Evaporation in Vacuo, by A. N. Zaidel.  
RUSSIAN, per, Optika i Spektro, Vol III,  
1957, pp 16-20.

\*AEC UCRL Tr-766(L)

The Role of Phosphates in Increasing  
Soil Fertility, by A. Dushechkin, et al.  
RUSSIAN, per, Pochvovedenie, No 10, 1955,  
pp 1-10.

CSIRO 3561

A Chemical Theory of Cation Exchange, by  
I. Serdobol'skiy.  
RUSSIAN, per, Pochvovedenie, No 6, 1957,  
pp 24-34.

CSIRO 3745

The Magnetic and Electrical Properties  
of Macromolecules, by L. A. Blyumenfel'd,  
6 pp.  
RUSSIAN, per, Priroda, Vol I, No 2, 1961,  
pp 55-59.

JPRS 12342

Intermediate Active Forms of the  
Catalytic Oxidation of Hydrocarbons, by  
L. Ya. Margolis.  
RUSSIAN, per, Problemy Kinetiki i  
Kataliza, Vol X, 1960, pp 410-414.

\*Dept of Interior

Scientific  
Chemistry (Contd)

Alkaline Lignite Preparations for Improving the Quality of Muds for Test Drilling, by E. A. Dem'yanova, A. F. Grachava.

RUSSIAN, per, Rayvedka i Okhrana Medr, Vol XXII, No 6, 1956, pp 43-45.

\*Dept of Interior

Selected Abstracts From Soviet Abstracts Journal Biochemistry, 28 pp. RUSSIAN, per, Referativ Zhur Biol Khim, No 3, 4, 5, 6, 7, 12, 13, 14.

JPRS 12535

Reaction of Iron Sulphides With Sulphur Dioxide, by N. P. Diev, et al. RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal: Ural'skii Filial, No 2, 1958, pp 95-105.

NLL RTS 1876

The Determination of Phenolic and Acid Hydroxyl in Shale Tars by High Frequency and Potentiometric Titration, by G. N. Skrynnikova, N. I. Matveyeva. RUSSIAN, per, Trudy Vses Nauch-Issled Inst po Pererabotke Slantsev, No 7, 1959, pp 282-293.

NLL RTS 1850

Determination of Oxygen in Metals and Oxides Using Sulfur Monochloride S<sub>2</sub>Cl<sub>2</sub> III Determination of Oxygen in Oxides of Chromium, Titanium, and Zirconium and in Some Metals and Alloys, by K. E. Kleiner, N. V. Obolonchick. RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, 1959, pp 370-373.

\*AEC UCRL Tr-801(L)

Transition of the Detonation of a Gaseous Ozone-Oxygen Mixture Into a Liquid Ozone-Oxygen Solution, by B. V. Strakhov, V. P. Lebedev, N. I. Kobozev. RUSSIAN, per, Vest Mosk Univ, Ser II Khim, No 4, 1961, pp 31-32.

\*FTD-TT-62-337

Scientific  
Chemistry (Contd)

A Study of the Mechanism of Ageing  
in Synthetic Fibres. 1. A Study of  
the Thermal and Thermo-Oxidative  
Action of Polyamides and Their  
Fibres, by N. V. Mikhailov, et al,  
4 pp.

RUSSIAN, per, Vysokomol Soedineniya,  
Vol II, 1960, pp 581-589.

TIL/T5248

On The Question of the Hygienic  
Significance of Aeroionization, by  
A. A. Minkh, 6 pp.

RUSSIAN, per, Zdravookhraneniye  
Belorussii, No 11, 1961, pp 31-35.

JPRS 13004

Effect of Internal Diffusion on the  
Course of a Heterogeneous Catalytic  
Reaction Retarded by the Reaction  
Product, by V. M. Cherednickenko, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXI,  
No 1, 1957, pp 157-164.

CSIRO

Oxidation of Nitrogen in an Arc Dis-  
charge Under Pressure, by N. S. Fateyeva,  
A. N. Grishko, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,  
No 11, 1961, pp 2553-2556. 9675786

FTD-TT-62-34

Fusibility of Halides of Cesium and  
Sodium in Binary Systems, by  
R. G. Samuseva, V. Ye. Plyushchev,  
7 pp.

RUSSIAN, per, Zhur Neorgan Khim,  
Vol VI, No 9, 1961, pp 2139-2141.  
9673552

FTD-TT-61-234

Stability and Volatility of Sn Oxides,  
by B. K. Veselovsky.

RUSSIAN, per, Zhur Prik Khim, Vol XVI,  
1943, pp 397-416.

\*AEC

Scientific  
Chemistry (Contd)

Compounds of Hafnium With Beryllium,  
Their Crystalline Structure and  
Certain Properties, by P. I. Krip-  
yakevich, M. A. Tylkina, Ye. M. Savitskiy,  
16 pp.

RUSSIAN, per, Zhur Strukturnoy Khim,  
Vol II, No 4, 1961, pp 424-433. 9664305

FTD-TT-61-240

Modernization of the Plant and Intensi-  
fication of Production of Concentrated  
Phosphorous Fertilizer, by V. A. Kononov,  
S. D. Evenchik.

RUSSIAN, per, Zhur Vses Khim Obshch  
imeni D. I. Mendeleyeva, Vol VI, No 1,  
1961, pp 2-16.

NLL RTS 1903

Complexometric Method of Determining  
Aluminium, by O. Budevski, L. Simova,  
4 pp.

BULGARIAN, per, Dokladi Bolgarskoy Ak  
Nauk, Vol XIV, No 2, 1961, pp 179-182.

JPRS 12519

Selected Articles From the Czech  
Periodical Chemicke Listy,

Vol XLIX, 1955, pp 325-327.  
Chromatography of Aromatic Isomers.  
Part II, by Jaroslav Franc,  
J. Latinak.

\*AEC UCRL Tr-800(L)

Vol LI, 1957, pp 890-894. 9095564  
Semi-Micro Chromatographic Analysis  
of Gases. XIII. Separation of  
Chlorine, Bromine and Iodine, by  
J. Janak, M. Nedorost,  
V. Bubenikova, 13 pp.

AEC NP Tr-795

Vol LI, No 8, 1957, pp 1521-1529.  
On the Constitution of Xanthinin,  
by L. Dolejs, et al.

CSIRO 3848

Scientific  
Chemistry (Contd)

Selected Articles From the Czech  
Periodical Chemicke Listy. (Contd)

Vol LIII, 1959, pp 465-480.

9097692

ACSIL No 1292

The Behaviour of Elements in Trace  
Quantities, by A. K. Lavrukhina,  
22 pp.

Vol LVI, No 1, 1962, pp 1-10.

\*FTD-TT-62-248

Contemporary State and Vistas in  
Coordination Chemistry, by  
A. A. Grinberg.

Chemically Treated Saccharide Cinders,  
by I. Macasek, V. Lorenz.

CZECH, per, Slevarenstvi, Vol IX,  
Feb 1961, pp 41-46.

\*BISI 2601

A Method for Determining the Resistivity  
of Semiconductors With Relatively High  
Resistivity, by T. Kytoniemi.

FINNISH, per, Valtion Teknillinen  
Tutkimuslaitos, Tiedotus, Vol II, No 9,  
1961.

\*AEC

The Behavior of Rare Gases in Solids at  
High Temperatures, by J. Blin.

FRENCH, CEA Rpt No 1444, 1960.

\*AEC

The Properties of Zirconia-Based Solid  
Refractory Solutions and the Stabilization  
of Cubic Zirconia, by J. Stocker.

FRENCH, per, Annales de Chimie, Vol V,  
1960, pp 1459-1552.

\*AEC

Determination of the Threshold Values  
of Attack on Cellulose by Disodium Chlorite  
Solutions in Acid Medium, by F. Kocher.

FRENCH, per, Bull Institut Textile de  
France, Vol XXXI, 1952, pp 19-90.

CSIRO

Scientific  
Chemistry (Contd)

Action of a Solution of Chromic Anhydride  
in Acetic Acid on Natural and Artificial  
Graphites: Formation of Intercalated  
Compound and Oxidation, by Platzer, 11 pp.  
FRENCH, per, Bull Soc Chim de France,  
Jan 1961, pp 177-180. 9095542

AEC Tr-4844

Study of Steel Sampling for Chemical  
and Spectrographic Analysis, by Amstutz.  
FRENCH, per, Centre Documentation  
Siderurgique Circulaire d'Informations  
Techniques, No 7-8, 1961, pp 1777-1789.

BISI 2645

Selected Articles From the French  
Periodical Comptes Rendus.

Vol CCXXVIII, 8 Jun 1949, pp 1814-1816.  
Synthesis of Tourmaline and of Yere-  
meyerite (Eichwaldite), by Mireille  
Michel-Levy.

\*AEC

Vol CCXXX, 19 Jun 1950, pp 2213-2214.  
Artificial Reproduction of Sillimanite  
(Fibrolite), by Mireille Michel-Levy.

\*AEC

Vol CCXLII, 1956, pp 2259-2261.  
Oxygenated Derivatives of Tertiary  
Tetra-Amines. Chemical and  
Pharmacological Study, by R. Hazard.

CSIRO

Vol CCL, No 18, 2 May 1960, p 3025.  
On the Reduction of Europium Sesqui-  
oxide and the Preparation of Europium  
Monoxide, by Jean-Claude Achard.

\*AEC

Photochemical Oxidation of Ferrous Ions  
in Aqueous Solution. Study of the Inverse  
Reduction Reaction by Atomic Hydrogen,  
by Marc Lefort, Pierre Douzou, 13 pp.  
FRENCH, per, J Chim Phys, Vol LIII,  
1956, pp 536-541. 9097027

AEC Tr-4863

Scientific  
Chemistry (Contd)

Diffusion and Solubility of Hydrogen  
in Metals, by J. Eichenauer.

FRENCH, per, Memoires Scientifique de  
la Revue Metall, Vol LVII, No 12,  
1960, pp 943-948.

\*BISI 2644

Aluminum and Phosphate Flocculation  
as a Method for Treating Low Radio-  
active Wastes, by K. F. Eschle.

FRENCH, per, Nouvelles Techniques,  
No 3, 1961, pp 151-161.

\*AEC

Application of Gas Phase Chromatography  
to the Determination of Hydrogen,  
Nitrogen and Oxygen in Iron and Steel,  
by P. Tyou, A. Hons.

FRENCH, per, Revue de Metallurgie,  
Vol LVIII, Feb 1961, pp 187-193.

BISI 2174

Separation and Analysis of Dihydric  
Phenols by Gas Chromatography, by  
J. Janak, R. Komers.

GERMAN, Collection of Czechoslovak  
Chemical Communications, 24 Jun 1959,  
pp 1960-1966.

BISI 2551

Modes of Formation and Reactions of  
Dehydrobenzene, (Cyclohexadiene),  
by G. Wittig.

GERMAN, per, Angewandte Chemie,  
Vol LXIX, No 8, 1957, pp 245-251.

CSIRO 3697

A-Zalkylcinchoninic Acids and A-Alkyl-  
Quinolines, by O. Dobner.

GERMAN, per, Annalen der Chemie,  
Vol CCXLII, 1887, pp 265-269.

CSIRO

Investigation of the Completeness of  
Estimation of Sulphur Content in Works  
Products, Using Various Combustion  
Processes, by D. Blazejak-Ditjes.

GERMAN, per, Archiv fuer Eisenhuettenwesen,  
Vol XXXI, Dec 1960, pp 717-722.

\*BISI 2683



Scientific  
Chemistry (Contd)

Determination of Equilibria Between  
Co-Co<sub>2</sub> Mixtures and  $\gamma$ -Mixed Crystal,  
Cementite and Graphite, by E. Scheil,  
T. Schmidt, J. Wunning.  
GERMAN, per, Archiv fuer Eisenhuettenwesen,  
Vol XXXII, Apr 1961, pp 251-260.

BISI 2505

A Contribution to the Thermo-Dynamics of  
the Reaction of Dephosphorisation Under  
Phosphate Slags Which Contain Lime,  
by H. Knuppel, F. Oeters.  
GERMAN, per, Archiv fuer Eisenhuettenwesen,  
Vol XXXII, Dec 1961, pp 799-808.

\*BISI 2660

On the Application of Gamma Radiation  
Barriers to Charge-Level Control  
Measurement in Liquid-Chlorine Vessels,  
by Kurt Thormann, 4 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, p 298.

JPRS 12487

The Transport of Pulverized Coal by  
Carrier Gas, by A. Schneider.  
GERMAN, per, Energie, Jahrg. Vol XII,  
No 9, 1960, pp 378, 388.

\*Dept of Interior

The Internal Damping Mode of FE-C-N  
Alloys and of Al MG 1, by F. X. Eder,  
H. Haefner, 9 pp.  
GERMAN, per, Experimentelle Technik der  
Physik, Vol IX, No 1, 1961, pp 37-43.

JPRS 12377

Permeability of Lacquer Films of  
Synthetic Oils to Water Vapour, and  
Their Connection With Swelling and  
Resistance to Damp, by K. Weinmann.  
GERMAN, per, Farbe und Lack, Vol LXI,  
No 7, 1955, pp 315-323.

CSIRO

Radiation Chemistry of the Hydrocarbons,  
Fourth Communication: Toluene, by  
Jurg Hoigne, Tino Gaumann.  
GERMAN, per, Helvetica Chimica Acta,  
Vol XLIV, No 7, 1961, pp 2141-2150.

\*AEC

Scientific  
Chemistry (Contd)

Effect of 17-alpha-methyl-17-beta-hydroxy-androsta-1, 4-diene-3-one (Dianabol) on the Metabolism of Albumin Tagged With I<sup>131</sup>, by H. Doorenbos, J. J. Bode, J. J. M. Vegter, M. G. Woldring, 3 pp.  
GERMAN, per, Helvetica Med Acta, Vol XXVII, 1960, pp 527-529.

NIH 10-28-61

Ion Exchange in Mixed Solvents-I. Distribution of Uranium in Inorganic-Acid. Solutions Containing Alcohol, and Strongly Basic Anion Exchanger Dowex-1, by J. Korkisch, P. Antal, F. Hecht, 4 pp.  
GERMAN, per, J Inorg Nucl Chem, Vol XIV, 1960, pp 247-250. 9095551

AEC Tr-4874

Ion Exchange in Mixed Solvents. II. Distribution of Thorium, Zirconium and Titanium in Inorganic-Acid Solutions Containing Alcohol, and the Strongly Basic Anion Exchanger Dowex-1, by P. Antal, J. Korkisch, F. Hecht, 5 pp.  
GERMAN, per, J Inorg Nucl Chem, Vol XIV, 1960, pp 251-254. 9095549

AEC Tr-4875

Ion Exchange in Mixed Solvents. III. Distribution of Thorium Chloride Between Hydrochloric-Acid Solutions Containing Alcohol, and Strongly Basic Anion Exchangers, by J. Korkisch, F. Tera, 6 pp.  
GERMAN, per, J Inorg Nucl Chem, Vol XV, 1960, pp 177-181. 9097025

AEC Tr-4876

Industrial Aspects of Isotope Applications, by H. Krauch, 11 pp.  
GERMAN, per, Kerntechnik, Vol III, No 1, 1961, pp 4-7. 9095568

AEC NP Tr-798

Scientific  
Chemistry (Contd)

The Application of Mass Spectroscopy  
in Analytical Chemistry, by H. Hintenberger,  
17 pp.

GERMAN, per, Mikrochimica Acta, No 1-6,  
1956, pp 71-90. 9097695

ACSIL No 1239

Crystallised Anhydroidic Acid as an  
Oxidant in Direct Micro Oxygen  
Determination on Organic Substances,  
by J. Unterzaucher.

GERMAN, per, Mikrochimica Acta, No 4-6,  
1956, pp 822-832.

CSIRO

Aluminum Corrosion in Water-Cooled  
Reactors, by K. H. Buob, E. Schenker,  
15 pp.

GERMAN, per, Nueve Technik, Vol III,  
1961, pp 288-295. 9095554

AEC Tr-4878

Contribution on the Isolation of Sul-  
phides, by E. Artner.

GERMAN, per, Radex Rundschau, No 5-6,  
1957, pp 725-726.

BISI 2502

Formation and Separation of Sulphide  
Inclusions in Steel and Cast Iron, by  
E. Plockinger, A. Randak.

GERMAN, per, Radex Rundschau, No 5-6,  
1957, pp 768-770.

BISI 2503

On Filiform Corrosion - a New Type of  
Corrosion, by A. Bukowiecki.

GERMAN, per, Schweizer Archiv fuer  
Angewandte Wissenschaft und Technik,  
No 5, 1955, pp 165-168.

CSIRO

Chlorine Dioxide for the Removal of  
Odour and Taste From Surface Waters,  
by H. O. Hettche, 7 pp.

GERMAN, per, Stadtehygiene, Vol V, No 1,  
1954, pp 5-6.

AEC NP Tr-738

Scientific  
Chemistry (Contd)

The Phosphorous-Oxygen Equilibrium  
Between Molten Iron and Lime Saturated  
Phosphate, by H. Knuppel, F. Oeters.  
GERMAN, per, Stahl und Eisen, Vol LXXXI,  
No 22, 26 Oct 1961, pp 1437-1439.

\*BISI 2646

Orientated Intergrowths of Spinel Rich  
in Iron Oxide With Mullite, by S. Kienow.  
GERMAN, per, Tonindustrie-Zeitung und  
Keramische Rundschau, Vol LXXXIII,  
No 265, 1959, pp 275-281.

BISI 2539

Observations, Investigations and  
Experiments Regarding Apple Mildew,  
by R. Fischer.  
GERMAN, per, Vienna Bundesanstalt  
fuer Pflanzenschutz, pp 212-244.

CSIRO

The Heat of Formation of Ammonium-  
Hydrogen Fluoride, by H. Schutza,  
M. Zucken, W. Namsch, 7 pp.  
GERMAN, per, Z fuer Anorganische und  
Allgemeine Chemie, Vol CCXCII, 1957,  
pp 293-297. 9097024

AEC Tr-4869

On the Modifications of Boron. Experi-  
ments on the Incorporation of Beryllium  
in the Boron Lattice, by H. J. Becher,  
A. Schafer, 5 pp.  
GERMAN, per, Z fuer Anorganische und  
Allgemeine Chemie, Vol CCCVI, 1960,  
pp 260-265. 9095532

AEC UCRL Tr-740(L)

On the Nitrides of Metals of the First  
Group of the Periodic System, by  
R. Jura, H. Hahn.  
GERMAN, per, Z fuer Anorganische Chemie,  
Vol CCXLIV, 1940, pp 133-148.

\*AEC

Investigations on the Cesium-Oxygen  
System, by G. Brauer.  
GERMAN, per, Z fuer Anorganische Chemie,  
Vol CCLV, 1947, pp 101-124.

\*AEC

Scientific  
Chemistry (Contd)

The Determination of Chlorine Dioxide  
in Water, by H. O. Hettche, 13 pp.  
GERMAN, per, Z Hygiene Infektionskrankh,  
Vol CXXXVIII, 1954, pp 94-100.

AEC NP Tr-735

Yield Point of Iron Single Crystals,  
by M. Evers.  
GERMAN, per, Z fuer Metallkunde,  
Vol LII, May 1961, pp 359-364.

\*BISI 2593

The Diffusion of Radon in Oxides  
After Recoil Indication, by  
Roland Lindner, Hans J. Matzka.  
GERMAN, per, Z fuer Naturforsch,  
Vol XVa, 1960, pp 1082-1086.

\*AEC

The Detection of Defined Reversible  
Associates ("Reversible Polymerisates")  
of Acridine Orange by Absorption and  
Fluorescence Measurements in Aqueous  
Solution, by Valentin Zanker, 23 pp.  
GERMAN, per, Z Physik Chem, Vol CIC,  
No 4, 1952, pp 225-228.

NIH 12-10-61

The Reaction-Mechanism of the Acid-  
Dissociation as Shown by the Protolytic  
Reaction of Activated  $\beta$ -Naphthol,  
by A. Weller, 17 pp.  
GERMAN, per, Z Physik Chem, Vol III,  
No 3-4, 1955, pp 238-254. 9097549

ACSIL No 1187

Calculation of the Stationary Bond  
Energy of the H<sub>2</sub> Molecule, by  
Ilona Tamassy-Lentei, 6 pp.  
HUNGARIAN, per, Magyar Fizikai  
Folyoirat, Vol IX, No 4, 1961,  
pp 265-268.

JPRS 12529

Newer Tendencies of the Development  
of Silicone Chemistry I, by  
Szekely Tamas, 18 pp.  
HUNGARIAN, per, Magyar Kemikusok Lapja,  
No 7, 1961, pp 324-330. 9675855

FTD-TT-61-303

Scientific  
Chemistry (Contd)

Newer Tendencies of the Development  
of Silicone Chemistry II, by  
Szekely Tamas, 12 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja,  
No 7, 1961, pp 362-367. 9675855

FTD-TT-61-303

Cooling by Liquid Metals. Problems of  
Compatibility, by R. Darras, 26 pp.  
ITALIAN, per, Energie Nucleaire, Vol III,  
Mar-Apr 1961, pp 128-138.

AEC HW Tr-29

Biguanide Derivatives of Some Esters of  
p-Aminobenzoic Acid, by D. Cattapan,  
A. Vercellone.

ITALIAN, per, Gazzetta Chimica  
Italiana, Vol LXXXV, 1955, pp 345-348.

CSIRO

Substances Similar to Muroxing. Pre-  
paration and Properties of a Series of  
Choline Esters of Acrylic and Propionic  
Acids, D-Substituted With Different  
Heterocyclic Nuclei.

ITALIAN, per, Gazzetta Chimica Italiana,  
Vol LXXXVI, 1956, pp 266-274.

CSIRO

The Frequency of the Chemical Elements,  
by G. Bussetti.

ITALIAN, per, Nuovo Cimento, Vol XII,  
1954, pp 769-779.

\*AEC UCRL Tr-804(L)

Liquid-Phase Oxygen Oxidation of p-Xylene  
and p-Toluic Acid Under Gamma Radiation,  
by J. Imamura, 13 pp.

JAPANESE, per, Government Chemical  
Industrial Research Institute, Vol LV,  
No 9, 1960, pp 346-350. 9095560

AEC NP Tr-794

Visco-Elastic Behaviour of Creases in  
Cellulose Fibres, by K. Murakami.

JAPANESE, per, Journal of the Chemical  
Society of Japan, Vol LIX, No 1, 1956,  
pp 41-45.

CSIRO 3789

Scientific  
Chemistry (Contd)

A Study of the Fabrication of  $\text{BeO-UO}_2$   
by Means of Vacuum Hot Pressing, by  
Katsuzo Kida, Susumu Nishigaki,  
Ryuzo Ueda, 16 pp.  
JAPANESE, per, Nippon Genshiryoku Gakkai  
Shi, Vol III, No 3, 1961, pp 200-207.  
9095570

AEC NP Tr-804

Part V. The Separation of Beryllium  
by the Use of an Ion-Exchange Resin,  
by Taketatsu Tomitsugu, 8 pp.  
JAPANESE, per, Nippon Kagaku Zasshi,  
Vol LXXIX, No 5, 1958, pp 586-594.  
9095569

AEC NP Tr-797

Standard Vibrations of Hydrazine, by  
Akiko Yamaguchi, 10 pp.  
JAPANESE, per, Nippon Kagaku Zasshi,  
Vol LXXX, No 10, 1959, pp 1109-1112.  
9095534

AEC UCHL Tr-727(L)

Theoretical Reflections on the  
Electrochemical Properties of Liquid  
Ammonia, by Makishima Shoji.  
JAPANESE, per, Tokyo Imperial Univ,  
Faculty of Engineering Journal,  
Vol XXI, No 2, 1938, pp 115-168.

CSIRO

Epoxy Resins (Abstract), by  
W. Laskawski, 3 pp.  
POLISH, per, Nowe Wydawnictwa, 1960,  
pp 287, 288. 9675774

FTD-TT-61-304

Determination of Effectiveness of  
Mixing by Turbine Mixers, by  
Henryk Blasinski, 12 pp.  
POLISH, per, Przemysl Chem, Vol XXXIX,  
1960, pp 760-772.

AEC Tr-4846

On Possibilities of Increasing the  
Heat of Hydrocarbon Fuel Combustion,  
by Bogdan Wislicki, 16 pp.  
POLISH, per, Przemysl Chem, Vol XL,  
No 5, 1961, pp 240-244. 9675856

FTD-TT-61-386

Identification of Elastomers, by  
A. Cercia Vargas.  
SPANISH, per, Revista de Plasticos,  
Vol XII, 1960, pp 409-414.

\*AEC

Scientific  
Electricity

Hydroelectric Power Plants in Northern  
Caucasus, by Ya. N. Flekser, 128 pp.  
RUSSIAN, bk, Iz Opty Eksploatatsii  
Gidroelektrostantsiy Severnogo Kavkaza,  
1958, pp 1-56.

JPRS 12928

A Self-Adjusting System of Automatic  
Control of Electric Pipe-Welding Mills,  
by A. B. Chelyustkin, V. A. Ivanov,  
26 pp.  
RUSSIAN, per, Elektrichestvo, No 2,  
1960, pp 13-18.

JPRS 12929

Electricity From a Gas Jet, by  
A. Sheyndlin, 5 pp.  
RUSSIAN, np, Izvestiya, 25 June 1961.

JPRS 12467

Regeneration of Storage Batteries, by  
S. Bodin.  
RUSSIAN, per, Radio, Oct 1961, p 39.

\*FTD-TT-62-357

Small-Scale Hermetic Storage Batteries.  
RUSSIAN, per, Radio, Oct 1961, pp 59-61.

\*FTD-TT-62-357

Electrical Strength of Mechanically  
Stressed Insulating Materials, by  
T. Akahira, A. Gemant.  
GERMAN, per, Archiv fuer Elektrotechnik,  
Vol XXVII, 1933, pp 577-585.

\*AEC

A Procedure for Generating Very-Low  
Frequency Sinusoidal Voltages With  
Superimposed Direct Component, by  
Guenter Pfeifer, Rolf Schoenfeld, 13 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, pp 299-303.

JPRS 12863

Operational Behaviour of Capacitive  
Voltage Transformers, by Rudolf Zahorka,  
15 pp.  
GERMAN, per, Elektrotechnische Z.,  
Vol LXXXI, No 11, 23 May 1960, pp 381-385.

CSIR 189



Scientific  
Electricity (Contd)

Electrical Measurement of Distances,  
by H. F. Reimann, 33 pp.

GERMAN, per, Vermessungstechnik,  
Vol IX, No 6, 1961, pp 176-186.

JPRS 12920

Lectures and Exhibits Pertaining  
to Measuring Techniques at the  
Weimar Electrotechnical Conference  
in East Germany, by Andras Haas,  
10 pp.

HUNGARIAN, per, Meres es Automatika,  
Vol IX, No 12, 1961, pp 370, 371.

JPRS 13080

Scientific  
Electronics

Safety Measures During the Operation of Installations With High and Superhigh-Frequency Generators, by Viktor Aleksandrovich Krylov, Agniya Petrovna Solovey.  
RUSSIAN, bk, Bezopasnost Truda pri Rabote na Ustnovkakh s Genevatovami Energii Vysokikh i Sverkhvysokikh Chastot, 1961, pp 3-18.

\*FTD-TT-62-339

The Biological Action of Ultrahigh Frequencies, by A. A. Letavet, M. V. Gordon, 142 pp.  
RUSSIAN, bk, O Biologicheskoy Vozdeystvii Sverkhvysokikh Chastot, 1960, pp 1-134.

JPRS 12471

Principles of Radio Ranging, by A. G. Saygel.  
RUSSIAN, bk, Osnovy Radioal'mometrii, 1960.

\*ACSI I-0970  
ID 2191523

The Use of Magnetic Recording, by A. F. Yoffe, 40 pp.  
RUSSIAN, bk, Primeneniye Magnitnoy Zapisi, 1959, Chapters 6, 7, pp 59-103. 9673560

FTD-TT-61-84

Radio-Relay Communication Lines, by A. V. Prosin, A. N. Tsvetkov, 91 pp.  
RUSSIAN, bk, Radioreleynnye Linii Svyazi, 1961, pp 1-107.

JPRS 12827

Identifying Free Radicals, by the Electron Paramagnetic Electron Method, by L. A. Blumenfel'd, 4 pp.  
RUSSIAN, bk, Rol'perekisey i Kisloroda v Nachal'nykh Stadiakh Radiobiologicheskogo Effekta, 1960, pp 97, 98.

JPRS 12465

Scientific  
Electronics (Contd)

The Study of Free Radicals of Certain Organic Peroxides After Irradiation by the Electron Paramagnetic Method, by A. M. Kuzin, L. P. Kayushin, A. K. Kolomiitsev, K. M. L'vov, 9 pp. RUSSIAN, bk, Rol'perekisey i Kisloroda v Nachal'nykh Stadiakh Radiobiologicheskogo Effekta, 1960, pp 99-104.

JPRS 12465

Special-Purpose Electronic Computer SESM, by Z. L. Rabinovich, Yu. V. Blagoveshchenskiy, et al., 196 pp. RUSSIAN, bk, Spetsializirovannaya Elektronnaya Schetnaya Mashina SESM, 1961, 145 pp. 9664281

FTD-TT-61-100

The Solution of Diagnostic Problems by Electronic Machine, by M. M. Amosov, K. O. Shkabara, 11 pp. RUSSIAN, per, Avtomatyka, No 1, Jan/Feb 1961, pp 47-54.

JPRS 12732

The Dependence of the Ignition Current on the Inductance of the Circuit, Determined by a Statistical Method, by P. F. Kovalev, N. G. Kocherga. RUSSIAN, per, Byul Mak Nauch Issled Inst, No 2, 1956, pp 22-26.

NLL M. 3050

A Two-Channel Set for High-Frequency Communication Using Electric Power Lines, by V. G. Kagan, E. U. Lubman, 6 pp. RUSSIAN, per, Elektricheskiye Stan, No 2, 1960, pp 78-81. 9664294

FTD-TT-61-16

Results and Prospects of Development of Soviet Hydroenergetics, by I. N. Fateyev, 44 pp. RUSSIAN, per, Elektroenergetika, 1960, pp 191-214.

JPRS 13071

Scientific  
Electronics (Contd)

The Dynamics of Continuous Optimizing Control Systems in the Presence of Random Scanning Signals, by A. A. Krasovskiy, 15 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, May/Jun 1960, pp 37-45.

JPRS 12969

On the Dependence of the Breakdown Time and the Breakdown Voltage of Dielectrics on Their Thickness, by A. A. Vorob'yev, G. A. Vorob'yev, V. A. Kostrygin. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 2, 1961, pp 62-64.

\*FTD-TT-62-300

Concerning the Problems of Modern Electronics, by V. Andreyanov, 6 pp. RUSSIAN, per, Nauchno-tekh Obshch SSSR, No 11, 1961, pp 40-42.

JPRS 12666

The Compensation of an Ionic Space Charge by Electrons, by V. P. Ignatenko, A. S. Myasnikov. RUSSIAN, per, Radiotekh i Elektron, Vol 6, No 12, 1961, pp 2084-2092.

\*FTD-TT-62-317

Influence of a Constant Electric Field on the Initiation of Pulse UHF Discharge in a Gas, by S. M. Levitskiy, V. S. Gvozdetskiy. RUSSIAN, per, Radiotekh i Elektron, Vol VII, No 1, 1962, pp 133-141.

\*FTD-TT-62-417

Feedback as a Method of Compensating the Frequency Response of Electromechanical Light Modulators, by Yu. G. Zarenin, 13 pp. RUSSIAN, per, Tekh Kino i Tele, No 6, 1960, pp 38-44. 9664285

FTD-TT-61-290

Scientific  
Electronics (Contd)

Observations of Scattering of Radio Waves by Electronic Inhomogeneities in the Solar Corona, by V. V. Vitkevich. RUSSIAN, per, Trudy Pyatogo Soveshchaniya po Voprosam Kosmogonii, 1955, pp 203-233.

CSIRO 3794

What Is the Letter "A"?, by A. Kondratov. RUSSIAN, per, Znaniya-Sila, No 1, 1962, pp 23-26.

JPRS 13068

An Automatic Navigational Radar Transponder, by R. N. Cheryayev, V. P. Yevstigneyev, 4 pp. RUSSIAN, Patent No 135,519, Appl No 647379-26, 15 Dec 1959, 3 pp. 9664302

FTD-TT-61-401

Selected Articles From the Chinese Periodical Tien Hsin K'o Hsueh, No 7, 1959. 9664309

FTD-TT-61-25

A General Discussion of Pulse-Code Modulation, by Tuan-Jang Wang, 16 pp, (pp 1-13).

A General Discussion of Pulse-Code Modulation, by Tuan-Jang Wang, 27 pp, (pp 1-7).

New Automatic Remote-Control System for Unattended Repeater Stations of Long-Distance Trunk Lines, by Ch'en Ho-Ch'iao, Yang T'ung-Chou, 17 pp, (pp 8-13).

Analysis and Testing of Distortion Tolerance in Telegraph Receivers, by Chang Feng-lou, 15 pp, (pp 18-22).

Transistor Application in Communications (I), by Shen Kuang-ming, 19 pp, (pp 52-57).

Electronic Dial Offices Discussion No 3 Main Elements of the Electric Circuit, by Ch'en-hu, Hung Fu-ming, 17 pp, (pp 58-62).

Scientific  
Electronics (Contd)

Beat Amplifier, by V. Zima, 17 pp.  
CZECH, per, Ceskoslovensky Casopis  
pro Fysiku, Vol X, No 5, 1960,  
pp 499-510. 9673082

FTD-TT-61-15

The Radical Contradiction of Low-  
Pressure Arcs in Mercury Vapor, by  
Albert Kloss, 18 pp.  
CZECH, per, Elektrotechnicky Obzor,  
Vol XLIX, No 7, 1960, pp 367-372.  
9675849

FTD-TT-61-92

Piezoelectric Resonators (Vibrators)  
for Lowest Frequency, by Jiri Zelenka,  
11 pp.  
CZECH, per, Slaboproudy Obzor,  
Vol XXII, No 2, 1961, pp 66-70.  
9664286

FTD-TT-61-286

Czechoslovak Report on Modern Hydrogen  
Thyratrons, by Antonin Hix, (DC-6674).  
CZECH, per, Slaboproudy Obzor, No 10,  
1961, pp 579-587.

\*JPRS

Tests of a European Armament Policy  
(Electronic Equipment), Part II Beyond  
Clausewitz, A New Doctrine of War, by  
Combaut, 10 pp.  
FRENCH, rpt, Essais sur une Politique  
Europeenne d'Armement (Materiels  
Electroniques) Fascicule II, au Dela  
de Clausewitz, une Nouvelle Doctrine  
de la Guerre, 15 pp, 1957.

ACSI I-0893  
ID 2191504

Report on the Microwave Symposium in  
Budapest, 17 pp.  
GERMAN, rpt, Bericht uber das Mikrowellen  
Kolloquium in Budapest, 29 pp.

ACSI I-0694  
ID 2186161

Technical Development of East German  
Radio, by Gerhard Walther, 9 pp.  
GERMAN, rpt, Bonner Berichte aus  
Mittelund Ostdeutschland, 1961,  
pp 104-119.

JPRS 12799

Scientific  
Electronics (Contd)

Electromagnetic Waves in Dielectric Wires,  
by D. Hondros, P. Debye, 14 pp.  
GERMAN, per, Annalen der Physik,  
4th Series, Vol XXXII, No 8, 1910,  
pp 465-476. 9675862

FTD-TT-61-363

Wave Scattering and Meteoric Influence  
on Short Waves and the Neighboring  
Ultrashort Waves, by H. Wisbar.  
GERMAN, per, Archiv der Elektrischen  
Übertragung, Vol X, No 8, 1956,  
pp 343-352.

CSIRO

Hydromagnetic Propulsion and Control  
Systems for Space Vehicles, by  
Gunther Au, 33 pp.  
GERMAN, per, Raketentechnik und  
Raumfahrtforschung, Vol V, No 3,  
1961, pp 90-101. 9675850

FTD-TT-61-163

Possibilities of Increasing the  
Reliability of Electronic Equipment  
in Missiles, by E. Dombrowski, 14 pp.  
GERMAN, per, Raketentechnik und  
Raumfahrtforschung, Vol V, No 3,  
1961, pp 101-105. 9675850

FTD-TT-61-163

Microwave in Modern Technology, by  
H. D. Naumann, 5 pp.  
GERMAN, per, Wissen und Leben, No 9,  
1961, pp 656-700.

ACSI I-0830  
ID 2186184

Theoretical Evaluation of Electrode  
Potentials, by Makishima Shoji.  
GERMAN, per, Z. fuer Elektrochemie,  
Vol XLI, 1955, pp 697-712.

CSIRO

Some Problems Concerning the Reliability  
of Telecommunication Equipment, by  
Geza Sarkozy.  
HUNGARIAN, per, Magyar Híradastechnika,  
No 1, 1961, pp 30-35.

\*FTD-TT-62-363

Scientific  
Electronics (Contd)

The Practical Application of Electronic  
Computers in Hungary, by Istvan Acze.  
32 pp.  
HUNGARIAN, per, Magyar Tudomány, Vol VI,  
No 6, 1961, pp 341-352.

JPRS 12376

The Extraction System of Ion Sources  
Operated at Radio Frequencies, by Paris.  
HUNGARIAN, per, Magyar Tudományos  
Akadémiai Központi Fizikai Kutató  
Intézetének Közleményei, Vol IX,  
No 1/2, 1961, pp 57-62.

\*AEC

Electronic States of Transition and  
Their Catalytic Actions, by K. Ohki.  
JAPANESE, per, Kagaku No Ryōki, Vol VI,  
1952, pp 274-280.

CSIRO

Construction of Capacitor Type Light  
Sources, by Henryk Wierzba, 18 pp.  
POLISH, per, Przegląd Elektrotechniczny,  
Vol XXXVI, No 9, 1960, pp 355-359.  
9675793

FTD-TT-61-24

At One-Millionth of a mm Hg, by  
Vasile Stancu.  
RUMANIAN, per, Stiinta se Tehnica, No 3,  
1961, pp 20, 21.

\*FTD-TT-62-365



Scientific  
Engineering

The Comparison of Experimental and Design Data on Leakages Through Labyrinth Seals, by M. E. Deich, G. S. Samoilovich.  
RUSSIAN, bk, Aerodynamic Principles of Axial Turbines, 1959, pp 318-325.

NLL M. 3090

Automatic Control-Measuring and Regulating Instruments, by Ivan Vasil'yevich Butusov, 436 pp.  
RUSSIAN, bk, Avtomaticheskiye Kontrol'no-Izmeritel'nyye i Reguliruyushchiye Pribory, 1961, pp 1-291.

JPRS 12559

Electroslag Welding, by B. Ye. Patona.  
RUSSIAN, bk, Elektroshakovaya Svarka, 2nd edition, 1959, 410 pp.

\*FTD-TT-62-251

Physical and Mechanical Properties of Electrolytic Coatings, by A. Vagramyan, Yu. Petrova, 140 pp.  
RUSSIAN, bk, Fiziko-Mekhanichkie Sovista Zlektroliticheskikh, 1960.

CB

Instruction No 691-58. Preparation of Glass Textolite of Aircraft Parts by Means of Contact Pressing, by B. P. Terebenin.  
RUSSIAN, brochure, Instruktsiya No 691-58. Izgotovleniye Steklotekstolitovykh S-moletnykh Detaley Metodom Kontaktnogo Pressovaniya, Oborongiz, 1958, 41 pp.

\*FTD-TT-62-250

The Problem of Selecting a Fermentor Design for the Sub-Surface Cultivation of Molds, by N. M. Sergeyeva.  
RUSSIAN, rpt, K Voprosu Vyбора Konstruktsii Fermentatora Dlya Glutinnogo Vyrashchivaniya Plesnevykh Gribov, pp 18-23.

\*ACSI I-0930  
ID 2191514

Scientific  
Engineering (Contd)

Quality Control in Field Welding, by  
I. Ye. Neyfel'd, A. S. Fal'kevich,  
L. S. Livshits,  
RUSSIAN, bk, Kontrol' Kachestva Svarki  
na Stroitel'stve, Moscow, Gostroyizdat,  
1960, pp 57-86, 93-121, 148-161.

\*FTD-TT-62-274

Principles of Geodetic Surveying,  
by N. G. Viduyev, et al, 30 pp.  
RUSSIAN, bk, Osnovy Geodesicheskikh  
Razbivochnykh Robe, 1960, pp 336-353,  
469-470.

JPRS 13042

Fundamentals of Vacuum Technology, by  
Boris Ivanovich Korolyev.  
RUSSIAN, bk, Osnovy Vakuumnoy Tekhniki,  
Moscow, 1957, pp 251-271.

\*FTD-TT-62-346

The Use of Precast Reinforced Concrete  
in Hydraulic Structures, by A. A.  
Berezinskiy.  
RUSSIAN, bk, Primeniye Sbornogo  
Zhulezobetona v Gidrotec Khnicheskikh  
Sooruzheniyakh, 1959, 430 pp.

\*ACSI I-1056  
ID 2191531

The Use of Organo-Silicon Compounds for  
Hydrophobizing Thermal Insulation  
Materials, by I. M. Rubinchik.  
RUSSIAN, bk, Proceeding From Conference  
in Leningrad, 1958. The Practical  
Application of Organosilicon Compounds,  
pp 97-101.

NIL M. 3388

Results of Investigation in the Field  
of Explosion Safety, by V. S. Kravchenko.  
RUSSIAN, bk, Rezultaty Issled v Oblasti  
Vzryvobezopasnosti, pp 50-64.

NIL M. 3277

Scientific  
Engineering (Contd)

An Experimental Ice House, by  
K. F. Voitkovskiy, 18 pp.  
RUSSIAN, bk, Sezonnoye Promerzanie  
Gruntov i Primeneniye l'da Dlya  
Stroitel'nykh Tselei, 1957, pp 88-100.

Amer Meteorol Soc T-R-374

Silicides and Their Uses in Engineering,  
by G. V. Samsonov, 270 pp.  
RUSSIAN, bk, Silitsidy i Ikh Ispol'zovaniye  
v Tekhnike, 1959, 204 pp. 9675769-V

FTD-TT-61-409

Roll-Pass Design and Drawing of Tubes in  
Two-, Three-, and Four-Roll Reducing  
and Sizing Mills, by G. I. Gulyayev,  
V. A. Yurgelanas.  
RUSSIAN, bk, Stal' Sbornik Statey,  
1961, pp 335-354.

\*BISI 2727

Strip Shaping Theory in the Shaping  
Stands of Tube Welding Mills, by  
Yu. M. Matveyev, E. M. Krichevskiy.  
RUSSIAN, bk, Stal' Sbornik Statey,  
1961, pp 355-364..

\*BISI 2728

Change in Mean Wall Thickness of Tubes  
During Continuous Uncorrected Rolling  
Without Tension in Mills With Individual  
Drives, by G. I. Gulyayev, V. A. Yurgelanas.  
RUSSIAN, bk, Stal' Sbornik Statey, 1961,  
pp 373-384.

\*BISI 2730

Technology of Constructing Parts From  
Plastic Materials. RTM-814, by Z. F.  
Urazayev, B. M. Baranov, R. I. Neyman.  
RUSSIAN, bk, Tekhnologichnost'  
Konstruktsii Izdeliy iz Plastmass.  
RTM-814, 1957, 100 pp.

\*FTD-TT-62-249

Scientific  
Engineering (Contd)

Thermodynamic Calculation of Rocket Engines, by D. A. Nikolayev.  
RUSSIAN, bk, Terminodinamicheskiy Raschet Raketnykh Dvigatelay, 1960, 149 pp.

\*FTD-TT-62-271

Triangulation of the Black and Azov Seas, 1871-1901, by A. Bukhteyev.  
RUSSIAN, rpt, Triangulyatsiya Chernago i Azovskago, Morey 1871-1901, 1907.

ACIC

Works of the Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography - 1959, by M. D. Konshin, 494 pp.  
RUSSIAN, bk, Trudy Tsentral Nauchnoissled Inst Geod Aero i Kartografii, No 129, 1959, pp 3-259.

JPRS 12628

Synthesis of the Self-adjusting System of Automatic Control With Discrete Correcting Device, by A. A. Krasovskiy.  
RUSSIAN, bk, V. Sb. Teoriya i Primneniye Diskretn. Avtomat. Sistem, Moscow, AN SSSR, 1960, pp 101-118.

\*FTD-TT-62-319

Influence of Flux on the Formation of a Welded Seam, by V. V. Padgayetskiy.  
RUSSIAN, per, Avtomat Svarka, No 2, 1951, pp 26-43.

\*BISI 2613

Selected Articles From the Russian Periodical Avtomatyka, No 3, 1961.

JPRS 12485

A Boiler Furnace As An Object of Optimalizing Control, by A. P. Obolonskiy, 13 pp, (pp 56-63.)

Automation of a Speed Measuring System for Hot Rolled Strips by the Correlation Method, by S. F. Kozubov'skiy, 15 pp, (pp 64-73.)

Scientific  
Engineering (Contd)

Selected Articles From the Russian  
Periodical Avtomatyka, No 3, 1961. (Contd)

JPRS 12485

Plotting Frequency Characteristics  
by the Experimental Curve of a  
Transitional Process, by I. M.  
Pechoryna, 6 pp, (pp 74-78.)

Optimizing Controller of Blast  
Furnace Economy, by B. M. Rakovskiy,  
8 pp. (pp 82-87.)

Breaking in of Engines Using Oils With  
Sulphur Additives, 6 pp.  
RUSSIAN, per, Avtomobil'nyy Transport,  
No 6, 1961, pp 29-31.

ACSI I-0849  
ID 2186191

Steam-Cured Cellular Concrete on a  
Foam Basis, by I. T. Kudryashev.  
RUSSIAN, per, Beton i Zhelezobeton,  
No 4, 1956, pp 130-132.

CSIRO 3667

Autoclave Treatment in the Manufacture  
of Precast Concrete and Reinforced  
Concrete Parts, by A. Volzhenskiy,  
Yu. Burov.  
RUSSIAN, per, Beton i Zhelezobeton,  
No 8, 1956, pp 277-280.

CSIRO 3668

Automating the Manufacture of  
Insulating Fiberboard, by N. I.  
Dolgachev, 7 pp.  
RUSSIAN, per, Bumazhnaya Przem,  
No 4, 1960, pp 22-24.

JPRS 12372

Mechanization of Astronomical Computa-  
tions, by D. K. Kulikov.  
RUSSIAN, per, Byul Inst Teoret Astron,  
Ak Nauk SSSR, Vol V, No 8 (71), 1953,  
pp 512-545.

ACIC

Scientific  
Engineering (Contd)

Precision Grinder Model MSh-182,  
by L. I. Savinov, 3 pp.  
RUSSIAN, per, Lyul Tekh Ekon Infor,  
No 7, 1961, pp 40-41. 9673556

FTD-TT-61-376

Problem in Torsion, by D. I. Sherman  
RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol LXIII, 1948, pp 499-502.

CSIRO

Structural Transformations of Coal  
During Thermal Treatment, by V. I.  
Kasatochkin.  
RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol LXXXVIII, No 1, 1953, pp 91-94.

CSIRO

Rotor End-Bells in Aluminium Alloys,  
by N. M. Rabinovich.  
RUSSIAN, per, Elektricheskiye  
Stantsii, No 7, 1959, pp 49-52.

NLL M. 3319

Calculations for Jet Pumps (Ejectors),  
by S. A. Antonovich.  
RUSSIAN, per, Energomashinostroyeniye,  
No 9, 1958, pp 8-13.

\*FTD-TT-62-449

An Investigation of Local Heat Transfer  
at a Gas-Turbine Blade Profile, by  
G. S. Ambrok.  
RUSSIAN, per, Energomashinostroyeniye,  
No 2, 1960, pp 29-31.

\*FTD-TT-62-454

Measures for the Protection of the  
Downstream Floor From Erosion, by  
K. B. Dadabayev.  
RUSSIAN, per, Gidrotekh Stroitel,  
Vol XXIV, 1955, pp 40-42.

CSIRO

Scientific  
Engineering (Contd)

Study of Thermal Properties of  
Ready-Made Clothing on an Instrumented  
Model, by P. Ye. Kalmykov, A. I.  
Bekatov, 7 pp.  
RUSSIAN, per, Gig i San, No 9, 1961,  
pp 41-44.

JPRS 12822

Review of Book "Semiconductor  
Thermistors," by I. F. Voloshin,  
A. S. Kasperovich, A. G. Shashkov,  
by E. S. Sotskov, 6 pp.  
RUSSIAN, per, Inzhenerno Fiz Zhur,  
Vol III, No 1, 1960, pp 124-126.

JPRS 12510

Torsion of a Circular Cylinder  
Reinforced With an Elliptical Rod,  
by D. I. Sherman.  
RUSSIAN, per, Inzhenernyi Sbornik,  
Vol XXI, 1955, pp 79-96.

CSIRO

The Best Distribution of Correct-  
Reception Regions in Statistical-  
Noise-Suppression Coding, by Yu. N.  
Mel'nikov, 13 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Energetika i Avto, No 6,  
1960, pp 107-112. 9673541

FTD-TT-61-154

The Theory of Optimally Fast Processes  
in Second-Order Systems, by A. B. Savvin,  
7 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Energetika i Avto, No 6,  
1960, pp 162-164. 9673541

FTD-TT-61-154

Scientific  
Engineering (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Mekh i Mash.

FTD-TT-61-136

No 6, 1960. 9673098  
Bending of Nonlinearly Elastic  
Three-Ply Plates, by S. A.  
Ambartsumyan, 9 pp. (pp 86-90.)

The Stressed State in a Cylindrical  
Shell With a Reinforced Hole, by  
I. M. Pirogov, 5 pp, (pp 166-168.)

Comments on the Creep of Steel EI 257  
Under a Complex Stressed Stated, by  
V. S. Namestnikov, 3 pp, (pp 137, 138.)

No 1, 1961, pp 153, 154.  
Method of Determining the  
Thermophysical Characteristics of  
Insulating Materials Using the Thermal  
Impulse from Shock Waves as a Source  
of Heat, by Yu. A. Dem'yanov, N. V.  
Chereshneva.

\*FTD-TT-62-332

Selected Articles from the Russian  
Periodical Iz Ak Nauk SSSR, Ser  
Geograf i Geofiz.

ACIC

Vol IV, No 1, 1960.  
General Principles of Geophysical  
Cartography, by P. P. Lazarev, (pp 3-16.)

Application of Aerial Photo Surveying to  
Hydrographic Operations in the Soviet  
~~Union~~, by A. V. Gaveman, (pp 133-152.)



Scientific  
Engineering (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Ser  
Geograf i Geofiz. (Contd)

ACIC

Vol V, No 3, 1941, pp 229-254.  
Contemporary Problems and the  
Development of Arc Measurements,  
by F. N. Krasovskiy.

Vol IX, No 5/6, 1945.  
Solution of the Direct and Inverse  
Gravitational Potential Problem for  
the Paraboloid of Rotation and  
the Infinite Parabolic Cylinder,  
by L. Gavrilov, (pp 521-528.)

ACIC

The Compensation of the Influence  
of the Vertical Oscillation of a  
Ship on the Mean Period of a  
Gravimetric Pendulum, by V. A. Kazinskiy,  
(pp 543-546.)

Generalized Thermodynamic Singularities of  
Two-Circuit Ram-Jet Engines, by A. L. Klyachkin.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Aviat Tekh. No 4, 1961, pp 94-103.

\*FTD-TT-62-446

Increasing the Accuracy of Stabilization  
Systems, by K. B. Alekseyev, V. V.  
Voskresenskiy, 18 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Elektromekh. No 9, 1960, pp 62-72. 9664195

FTD-MCL-1356/1

Determining the Shape of the Regularized  
Geoid, by I. F. Monin, 9 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Geodez  
i Aerofotos, No 5, 1960, pp 73-78. 9664208

FTD-TT-61-289

Scientific  
Engineering (Contd)

An Approach to Deriving a Formula  
for Determining the Coefficient of  
Heat Transfer From a Gas to a Wall  
Based on the Kinetic Theory of Matter,  
by N. B. Kadirov, 11 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb  
Zaved, Neft i Gaz, No 11, 1960,  
pp 95-100. 9664202

FTD-TT-61-194

Approximation Method for Calculating  
Pneumatic Mechanisms With Unilateral  
Effect, by I. M. Plekhov, N. A. Kozulin.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Priborostroyeniye, Vol IV, No 2, 1961,  
pp 52-57.

\*FTD-TT-62-325

Potentiometer-type Tracking System With  
Dynamic Error Compensation, by A. A.  
Vavilov, A. A. Bezikonnyy, E. V. Sergeyev.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Priborostroyeniye, Vol IV, No 2, 1961,  
pp 58-66.

\*FTD-TT-62-325

Some Problems on the Theory of  
Hydrostatic Radial Bearings, by N. P.  
Chernousov.  
RUSSIAN, per, Khim Mash, No 6, 1961,  
pp 17-22.

\*FTD-TT-62-335

Modern Methods of Producing Heavy  
Water, by Ya. M. Varshavskiy, S. E.  
Vaysberg, 35 pp.  
RUSSIAN, per, Khim Nauka i Prom, No 4,  
1959, pp 498-509.

JPRS 12674

Scientific  
Engineering (Contd)

Selected Articles From the Russian  
Periodical Kuznechno-Shtampovochnoye  
Proiz.

- No 1, 1961, pp 9-11.  
Automatic Lines for the Manufacture  
of Bolts and Screws, by A. N.  
Gladkikh, N. I. Maslennikov, P. P.  
Farafonov. BISI 2612
- Vol III, Mar 1961.  
Some Problems of the Vibration  
Deformation of Metals With  
Restriction of Spread, by M. Ya.  
Karnov, (pp 16-18.) BISI 2528
- A More Accurate Method of  
Determining the Upsetting Force  
for Forging Ingots, by E. N. Moshnin,  
N. M. Zolotukhin, (pp 18, 19.) BISI 2529
- The Forging and Pressing of Cast Iron,  
by S. O. Klychnikov, (pp 19-23.) BISI 2530
- The Present and the Future of Accelera-  
tion Technology, by M. S. Rabinovich.  
RUSSIAN, per, Nauka i Zhizn', No 5, 1960,  
pp 17-23. \*FTD-TT-62-385
- Zirconium Junctions for Thermocouples  
Used for Measuring Molten Steel  
Temperatures, by P. Ya. Sorokin.  
RUSSIAN, per, Ogneupory, No 11, 1959,  
pp 517-522. BISI 2611
- High-Temperature Solar Furnace, by  
M. G. Manvelyan, A. F. Melik-Akhazarov,  
et al, 6 pp.  
RUSSIAN, per, Ogneupory, No 10, 1961,  
pp 465-469. JPRS 13053

Scientific  
Engineering (Contd)

One Hundred Million Operations Per Second, by Dmitriy Zhukov, 6 pp.  
RUSSIAN, per, Ogonek, No 49, Dec 1961, pp 12, 13.

JPRS 12560

Detachable Coupling Device for Septate Waveguides, by A. I. Zykov, I. N. Dudkina.  
RUSSIAN, per, Pribery i Tekh Eksper, No 2, 1961, pp 181-.

\*FTD-TT-62-318

Concerning One Case of the Movement of a Kelvin Free Wave, by V. V. Musatov, 3 pp.  
RUSSIAN, per, Prik Matemat i Mekh, Vol XXI, 1957, pp 347-352.

NIOT/57

About the Possibility of Creating Temperature Stresses in the Deformed Body by the Mechanical Method, by G. M. Savin, et al.  
RUSSIAN, per, Prik Mekh, Vol VI, No 4, 1960, pp 445-448.

NLL RTS 1894

On Determining the Function of Energy Distribution in an Oscillatory System With Many Degrees of Freedom, by P. M. Senyk.  
RUSSIAN, per, Prik Mekh, Vol VII, No 3, 1961, pp 253-257.

\*FTD-TT-62-382

Selected Articles From the Russian Periodical Problemy Peredachi Informatsii, No 8, 1961.

\*JPRS

Principles of Designing a Contactless Machine for the Synthesis of Switching Circuits, by V. G. Lazarev, (DC-6670) (pp 5-19).

Scientific  
Engineering (Contd)

Selected Articles from the Russian  
Periodical Problemy Peredachi  
Informatsii, No 8, 1961. (Contd)

\*JPRS

Contact Complexity of Boolean  
Functions, by A. A. Arkhangel'skaya  
(DC-6670) (pp 20-44).

Evaluation of the Complexity of a  
Switching Circuit, by Cheng Tsun-  
liang, (DC-6670) (pp 45-66).

Switching Circuits With Parametric  
Functions and Many-valued Logic, by  
T. L. Maistrova, V. N. Roginskiy  
(DC-6670) (pp 121-131.)

Cybernetics in Military Matters, by  
N. Alpatov, (NY-7000).  
RUSSIAN, per, Radio, No 2, 1962, pp 3-5.

\*JPRS

Soviet Abstracts Journal Electrical  
and Power Engineering, 84 pp.  
RUSSIAN, per, Referativnyy Zhur,  
Elektrotekh i Energet, No 1/8,  
10, 11, 1961.

JPRS 12968

Soviet Abstracts Journal, Machine  
Building, 77 pp.  
RUSSIAN, per, Referativnyy Zhur,  
Mash, No 5/6, 1961.

JPRS 12381

Soviet Abstracts Journal, Machine  
Building, 70 pp.  
RUSSIAN, per, Referativnyy Zhur,  
Mash, No 7/9, 1961.

JPRS 12795

Soviet Abstracts Journal, Machine  
Building, 71 pp.  
RUSSIAN, per, Referativnyy Zhurnal,  
Mash, No 10/13, 1961.

JPRS 12882

Scientific  
Engineering (Contd)

Soviet Abstracts Journal, Mechanics,  
34 pp.  
RUSSIAN, per, Referativnyy Zhur, Mekh,  
No 6/10, 1961.

JPRS 12734

Soviet Abstracts Journal, Transportation,  
11 pp.  
RUSSIAN, per, Referativnyy Zhur,  
Transport, No 1, 3, 4, 6, 7, 8, 10,  
1961.

JPRS 12671

Standard Reliability Coefficient of  
Electronic Products, by P. M. Rabinovich,  
5 pp.  
RUSSIAN, per, Standartizatsiya, No 6,  
1960, pp 11-13. 9673091

FTD-TT-61-139

Relative Velocities of a Steam-  
Water Flow in Vertical Unheated  
Pipes, by S. Kosterin, N. I.  
Semenov, A. A. Tochigin.  
RUSSIAN, per, Teploenergetika,  
Vol VIII, No 1, 1961, pp 58-65.

\*AEC

Gas Producer VT 1 for Gas-Turbine  
Installations, by K. I. Kolodtsev,  
et al.  
RUSSIAN, per, Teploenergetika,  
Vol VIII, No 4, 1961, pp 44-48.

\*Dept of Interior

Multiple Pulley for Putting Tension  
on Measuring Wires Used in the  
Measurement of the Length of the Sides  
of a Polygonometric Traverse, by  
L. A. Bashlavin.  
RUSSIAN, per, Trudy Moskov Inst  
Inzhenerov Geodezii, Aerofotos'yemki,  
i Kartografii, Vol XXVII, 1957,  
pp 45-51.

ACIC

Scientific  
Engineering (Contd)

The Determination of the Geographical Latitude of the Dome of the Migaik Astronomical Observatory by the Methods of Pevtsov and Talcott, by M. N. Severov. RUSSIAN, per, Trudy Moskov Inst Inzhenerov Geodezii, Aerofotos'yemki, i Kartografii, Vol XXVII, 1957, pp 65-78.

ACIC

Zenith and Azimuth Methods for Time and Latitude Determination, by A. N. Kuznetsov. RUSSIAN, per, Trudy Moskov Inst Inzhenerov Geodezii, Aerofotos'yemki, i Kartografii, Vol XXVII, 1957, pp 91-93.

ACIC

Work of the Topographic-Geodetic Party of the Kulundinskaya Expedition of 1931, by N. A. Blinov. RUSSIAN, per, Trudy Soveta po Izucheniyu Prirodnikh Resursov, Ser Sibirskaya, Ak Nauk SSSR, Vol VIII, 1934, pp 59-114.

ACIC

Conversion Problems Conference of the State Committee of the Council of Ministers USSR for Automation and Machine-Building, by Ya. Sh., 8 pp. RUSSIAN, per, Tsvetnyye Metally, Vol XXXIV, No 6, 1961, pp 81-84.

JPRS 13103

Mechanized Withdrawal of Breaker Props With Lowering of the Roof, by A. D. Greshishkin. RUSSIAN, per, Ugol Ukrainy, Vol IV, No 5, 1960, pp 28, 29.

NLL M. 3290

Comparative Effectiveness of Panel and Horizon Development Methods, by S. M. Garkavi, P. Z. Zvyagin. RUSSIAN, per, Ugol' Ukrainy, Vol IV, No 5, 1961, pp 41, 42.

NLL M. 3287

Scientific  
Engineering (Contd)

Direct Conversion of Thermal Power to  
Electrical Power, by N. D. Morgulis,  
11 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 9,  
1961, pp 25-31. 9673551

FTD-TT-61-226

Field Investigations of Solar Energy  
Converters, by A. G. Iosif'yan,  
A. S. Fialkov, 14 pp.  
RUSSIAN, per, Vest Elektro Prom, No 7,  
1960, pp 38-43. 9673550

FTD-TT-61-56

Characteristics of Wires With Oxide  
Insulation Used for Windings, by  
A. I. Biryukova, T. M. Orlovich,  
S. S. Solomonik, 16 pp.  
RUSSIAN, per, Vest Elektro Prom, No 1,  
1961, pp 25-31. 9673545

FTD-TT-61-126

One of the Reasons for "Spontaneous"  
Failure of Bolts, by O. L. Bendryshev.  
RUSSIAN, per, Vest Mash, No 15, 1950,  
pp 17-18.

BISI 2430

On the Dynamics of the Camping  
Gyroscope, by Yan-chu Liu.  
RUSSIAN, per, Vest Moskov Univer, Ser  
I; Matemat, Mekh, No 4, 1961, pp 48-57.

\*FTD-TT-62-434

Conditions of Evolution of  
Magnetohydrodynamic Flow, by R. V.  
Polovin.  
RUSSIAN, per, Zhur Prik Mekh i Tekh  
Fiz, No 6, Nov/Dec 1961, pp 3-7.

\*FTD-TT-62-338

A Cold Rolling Mill for Pipes With a  
Double-Row Separator and With a  
Turnover Mechanism, by V. L. Kolmogorov,  
G. P. Moiseyev, et al.  
RUSSIAN, Patent No 129,613, Sep 1959.

\*FTD-TT-62-442



Scientific  
Engineering (Contd)

- A Device for Obtaining the Quotient  
From the Division of Two Pulses, by  
R. G. Karpov, 3 pp.  
RUSSIAN, patent, No 130,688, 13 May 1959,  
3 pp. 9675857 FTD-TT-61-460
- A Method of Manufacturing Polarized  
Interference Filters, by S. B. Ioffe,  
N. M. Drichko.  
RUSSIAN, Patent No 135,258, 16 Apr 1960, \*FTD-TT-62-287
- A Signalizer of Flame Failure in the  
Combustion Chamber of a Turbojet Engine,  
by Yu. A. Gogin.  
RUSSIAN, Patent No 135,309, 14 Mar 1960, \*FTD-TT-62-288
- A Unit for Testing the Hydraulic  
Parameters of the Nozzles of Liquid  
Fuel Rocket Engines, by G. A. Kucherevskiy,  
S. A. Tsvetkov, et al.  
RUSSIAN, Patent No 135,696, 30 May 1960. \*FTD-TT-62-289
- Method of Obtaining Soldered Joints  
Between the IKhlENOT Steel Grade and  
Ceramics, by R. M. Manelis.  
RUSSIAN, Patent No 135,741, 14 Jun 1960. \*FTD-TT-62-294
- Mass Flowmeter for Measuring Compressed  
Gas Expenditure, by G. P. Katys, V. M.  
Il'inskiy,  
RUSSIAN, Patent, No 136,917, 11 Aug 1960. \*FTD-TT-62-290
- Device for Generating Transient Electron  
Packets, by M. I. Yelinson, V. A. Gor'kov.  
RUSSIAN, Patent No 137,545, 16 Jan 1958. \*FTD-TT-62-291
- Helical Band Heat Exchanger, by  
N. V. Zhutautas.  
RUSSIAN, Patent No 138,259, 27 May 1960. \*FTD-TT-62-292

Scientific  
Engineering (Contd)

Method of Receiving or Generating  
Gravitational Waves, by V. A. Bunin,  
R. I. Raykhlin.  
RUSSIAN, Patent No 138,279..

\*FTD-TT-62-367

Method of Obtaining Akrylonitryl  
Copolymers, by G. I. Kudryavtsev,  
V. S. Klemenkov, et al.  
RUSSIAN, Patent No 138,373, 11 Jul 1960.

\*FTD-TT-62-293

A Multibeam High-Vacuum Gas-Discharge  
Pump, by E. M. Reykhrudel', G. V.  
Smirnitskaya.  
RUSSIAN, Patent No 139, 375  
(692175/25 of January 10, 1961).

\*FTD-TT-62-370

An Ultrasonic Flaw Detector, by  
V. M. Zabolotskiy, B. A. Kalugin.  
RUSSIAN, Patent No 139,470.

\*FTD-TT-62-368

Gas Discharge Power Tube, by I. S.  
Marshak, V. I. Vasil'yev, A. L.  
Vasserman.  
RUSSIAN, Patent No 141,219.

\*FTD-TT-62-295

Designation of Surface Finish and  
Marking to Define Finishing Operations  
and Heat Treatment.  
RUSSIAN, GOST 2940-52 (Replaces GOST  
2940-45).

NLL M. 3317

Formats.  
RUSSIAN, GOST 3450-59 (Replaces GOST  
3450-52).

NLL M. 3302

Scales.  
RUSSIAN, GOST 3451-59 (Replaces GOST  
3451-52).

NLL M. 3303

Letter Designations.  
RUSSIAN, GOST 3452-59 (Replaces GOST  
3452-52).

NLL M. 3304

Scientific  
Engineering (Contd)

Views and Sections.

RUSSIAN, GOST 3453-59 (Replaces  
GOST 3453-52).

NLL M. 3305

Lettering.

RUSSIAN, GOST 3454-59. (Replaces  
GOST 3454-52).

NLL M. 3306

Hatching of Sections

RUSSIAN, GOST 3455-59 (Replaces  
GOST 3455-52).

NLL M. 3307

Lines.

RUSSIAN, GOST 3456-59 (Replaces  
GOST 3456-52).

NLL M. 3308

Indication of Tolerances on  
Drawings.

RUSSIAN, GOST 3457-46 (Replaces  
GOST 7539-39).

NLL M. 3310

Drawing of Dimensions.

RUSSIAN, GOST 3458-59.

NLL M. 3311

Drawings of Threads.

RUSSIAN, GOST 3459-59 (Replaces  
GOST 3459-52).

NLL M. 3312

Conventional Drawing of Gear and  
Chain Transmissions.

RUSSIAN, GOST 3460-59 (Replaces  
GOST 3460-52).

NLL M. 3313

Conventional Designations of Springs.

RUSSIAN, GOST 3461-59 (Replaces  
GOST 3461-52).

NLL M. 3314

Conventional Designations of  
Kinematic Diagrams.

RUSSIAN, GOST 3462-59 (Replaces GOST  
3463-46).

NLL M. 3315

Scientific  
Engineering (Contd)

Conventional Designations of Rivets  
Bolt and Their Holes.  
RUSSIAN, GOST 3465-52 (Replaces  
GOST 3465-46).

NLL M. 3316

Indication of Dimension Tolerances.  
RUSSIAN, GOST 9171-59 (Replaces  
GOST 3457-46).

NLL M. 3309

Scientific  
Engineering (Contd)

Adaptation of the Swept Wing in Subsonic Condition; Calculated by the Rheoelectric Relation, by L. Malavard, M. Enselme.

FRENCH, brochure, Direction de Physique Generale, N. T. 24/1101 AP, 14 May 1957, 34 pp.

\*FTD-TT-62-265

Determination of the Compression Strength of Mortars and Concretes. Determination of the Granulation of a Sand With Maximum Density, by J. Bolomey.

FRENCH, per, Bulletin Technique de la Suisse Romande, pp 209-313.

CSIRO

Pre-Stressed Rolling Mill Stands, by K. Neumann.

FRENCH, per, Centre Documentation Siderurgique Circulaire d'Informations Techniques, No 3, 1961, pp 723-735.

BISI 2507

Contribution to the Study of Running Systems in Sand Moulding, by M. Jeancolas, G. Cohen de Lara, H. Hanf.

FRENCH, per, Fonderie, Nov 1961, pp 385-396.

\*BISI 2666

French Cellular Concretes, by J. P. Levy.

FRENCH, per, Revue des Matériaux de Construction, No 435, 1951, pp 369-372.

SIRO 3330

Application of the "Total Replica" Technique to Detection of Defects on the Inner Surface of Tubes, by L. Alfille, M. Azam, M. Pignon, 22 pp.

FRENCH, per, Revue de Metallurgie, Vol LVIII, May 1961, pp 429-436.

AEC HW Tr-27

Principal Uses of Blast Furnace Ladle, by G. Delbart.

FRENCH, per, Revue de Metallurgie, Vol LVIII, Sep 1961, pp 723-734.

\*BISI 2615

Scientific  
Engineering (Contd)

Pneumatic Tubes in Steelworks, by  
J. Gouyou-Beauchamps.  
FRENCH, per, Revue de Metallurgie,  
Vol LVIII, Oct 1961, pp 849-856.

\*BISI 2653

Improvements in the Continuous Electro-  
magnetic Detection of Surface Splinters  
of Hot-Rolled Square Billets of Mild Basic  
Converter Rimming Steel, by L. Beaujard,  
J. Mondot, C. Darsch.  
FRENCH, per, Revue de Metallurgie Memoires  
Scientifiques, Vol LVIII, May 1961,  
pp 343-349.

BISI 2603

Study of the Mechanical Strength of  
Sinters, by I. Harveng, H. Landgraf.  
FRENCH, per, Rev Periodiques Techniques,  
Dec 1961, pp 745-753.

BISI 2650

Improvement of Firearms or Other  
Weapons, 11 pp.  
FRENCH, Patent No 801,987.

ACSI I-0295-A  
ID 2180090

Method of Mounting Ceiling Panels, by  
H. Martin, R. Coutelen, 4 pp.  
FRENCH, Patent No 987,118.

Dept of Commerce  
Patent Office  
Sci Library

Process and Device for Erecting  
Buildings, by Erik Johan von Heidenstam,  
24 pp.  
FRENCH, Patent No 1,108,787

Dept of Commerce  
Patent Office  
Sci Library

Process of Erecting Buildings and Ap-  
paratus Therefore, by Dikran Khoubesserian,  
14 pp.  
FRENCH, Patent No 1,109,975

Dept of Commerce  
Patent Office  
Sci Lib

Manufacturing Process of a Porous Sub-  
stance for the Separation of Isotopes,  
9 pp.  
FRENCH, Patent No 1,198,235,  
4 Dec 1959.

AEC Tr-4824

Scientific  
Engineering (Contd)

Selected German Papers Presented  
at the Conference on Heavy Forging,  
Terni, Sep 1961.

Materials for Forging Tools, by  
E. Heinrich.

BISI 2490

The Use of Forgings for Steam  
Turbines and Generators, and a  
Review of Results of Testing, by  
R. Schinn.

BISI 2509

Design-Machining and Testing of  
Large Steel Shafts for Water Driven  
Generators, by H. Staudinger.

BISI 2510

The Effect of Aluminium Content  
and of Working Conditions on the  
Hot-Working Properties of Heavy  
Forging, by P. Opel.

BISI 2511

Installations for the Measurement,  
Regulation and Control of Total Blast  
Flow and Equalization of Blast at the  
Tuyeres of Blast Furnaces, by  
H. Lorch.

GERMAN, rpt, Conti Elektro Berichte,  
Vol VII, Jan/Mar 1961, pp 23-33.

BISI 2450

Design Details of a New Plate Mill,  
by K. Loeck.

GERMAN, rpt, Huttenwerk Oberhausen,  
Tech Ber, 1955-1958, paper 29.

BISI 2546

Impact Testing of Materials, by  
W. Spath, 213 pp.

GERMAN, bk, Der Schlagerversuch in  
der Werkstoffprüfung.

Gordon & Breach

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Archiv Fuer Eisenhuttenwesen.

Vol IX, 1936, pp 397-404. Seizing of Screw Connections at High Temperatures, by H. Vollbrecht.	CSIRO
Vol X, Oct 1936, pp 155-160. The Application of Polarized Light in Studying the Structure of Iron and Steel, by P. Schafmeister, G. Moll.	BISI 2566
Vol XXXI, No 12, 1960, pp 691-702. Kinetics of Indirect Reduction, by H. Schenck, H. Schulz.	*BISI 2635
Vol XXXII, Jun 1961, pp 361-368. Convected Heat Transfer to Checker Brickwork in the Light of the Theory of Similarity, by R. Jeschar, C. O. Fels Leusden.	BISI 2447
Kahl Experimental Atomic Power Sta- tion: Materials, by E. Zastrow. GERMAN, per, <u>Die Atomwirtschaft</u> , Vol VI, Jan 1961, pp 66-72.	BISI 2534
An Industrial Program Control System Based on the Relay Drum Principle, by Eberhard Oberst, 11 pp. GERMAN, per, <u>Automatisierung</u> , Vol IV, No 7, 1961, pp 273-276.	JPRS 12515
Temperature Rise Measurement on Weather- and Explosion Proof Electri- cal Products by Means of Thermo- Elements, by R. Sack, S. Weigold, 11 pp. GERMAN, per, <u>Automatisierung</u> , Vol IV, No 7, 1961, pp 281-286.	JPRS 12486



Scientific  
Engineering (Contd)

Behavior of the "Discharge Nozzle -  
Intake Nozzle" System, Part I, by  
H. Toepfer, G. Koenig, 32 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, pp 305-310.

JPRS 12992

The Problem of Roadability and Spring  
Suspension of Semi-Trailer Truck  
Tractors, by J. Meyer, 5 pp.  
GERMAN, per, Automobil Tech Zeitschrift  
(ATZ), No 10, 1959, pp 310-311.

ACSI I-0848  
ID 2186190

Tube Manufacture on Induction Welding  
Unit and Stretch-Reducing Mill, by  
H. Stein.  
GERMAN, per, Bander, Bleche, Rohre,  
Oct 1961, pp 492-494.

BISI 2621

Selected Articles From the German  
Periodical Berg- und Huttenmannische  
Monatshefte, No 9, 1961.

Experience With the 120-Ton Arc  
Furnaces of the Huttenwerk Rhein-  
hausen Plant, by K. Pungartnik,  
(pp 268-299).

\*BISI 2624

Arc Furnaces - Lining Problems as  
Seen by the Brick Maker, by  
F. Honig, (pp 307-310).

\*BISI 2625

Lining Problems in Arc Furnaces,  
by K. Leitner, (pp 311-315).

\*BISI 2626

Lining Problems in Arc Furnaces,  
by A. Schotterl, (pp 315-317).

\*BISI 2627

Lining Problems in Arc Furnaces,  
by F. Schmidt, (pp 318-322).

\*BISI 2628

Lining Problems in Arc Furnaces,  
by W. Schlager, (pp 322-327).

\*BISI 2629

The Use of Oxygen in the Arc Fur-  
nace, by M. Potz, (pp 336-341).

\*BISI 2630

Scientific  
Engineering (Contd)

The Proportion of Steel Scrap in the Charge When Melting Cast Iron in a Cupola Furnace, by H. Siepmann, H. Pacyna, H. W. Hauptvogel.  
GERMAN, per, Biesserei, Vol XLVII, 3 Nov 1960, pp 608-614.

BISI 2416

Electronic Roll Adjustment for Heavy Plate Mills, by J. Ullmann.  
GERMAN, per, Blech, Vol VIII, Jan 1961, pp 6-8.

BISI 2544

Thick Sheet Rolling Mills, Their Design and Construction, by H. Hover.  
GERMAN, per, Blech, Vol VIII, Mar 1961, pp 179-183.

BISI 2545

Damage to Bolts at High Temperatures, by E. Stange.  
GERMAN, per, Elektrizitätswirtschaft, Vol LIV, 20 Nov 1955, pp 779-784.

BISI 2548

Control and Regulation of Modern Blooming Trains, by K. Giesdorf.  
GERMAN, per, Elektrotechnische Z., Vol LXXXI, No 20/21, 1960, pp 722-729.

BISI 2361

Basis for Design and Calculation of the Output of Drifting Roads, by A. Ohnesorge.  
GERMAN, per, Explosivstoffe, No 3, 1957, pp 46-52.

CSIRO

Basis for Design and Calculation of the Output of Drifting Roads, by A. Ohnesorge.  
GERMAN, per, Explosivstoffe, No 6, 1957, pp 114-120.

CSIRO

Basis for Design and Calculation of the Output of Drifting Roads, by A. Ohnesorge.  
GERMAN, per, Explosivstoffe, No 7, 1957, pp 148-156.

CSIRO

Scientific  
Engineering (Contd)

High-Vacuum Coater in HBA 2: A New Device for Preparation in Electronic Microscopy, by H. Zapfe, 4 pp.  
GERMAN, per, Feingeractetechnik, Vol X, No 4, 1961, pp 188-191.

JPRS 12473

A Hollow Shaft as a Conveyor for Loose Granular Material, by R. Jung.  
GERMAN, per, Forschung auf dem Gebiete des Ingenieurwesens, Vol XXV, No 2, 23 Nov 1959, pp 37-43.

BISI 2558

Investigation of the Influence of Friction on the Preload Tension and Starting Moment of Screw Joints, by R. Kellerman, H. C. Klein.  
GERMAN, per, Konstruktion, No 2, 1955.

BISI 2420

Non-Destructive Testing of Tubes, Limitations of the Methods and Interpretation of Test Results, by H. Krachter.  
GERMAN, per, Materialprufung, Vol II, Jul 1960, pp 253-257.

\*BISI 2619

A New Machine for Torsion Impace Strength of Tool Steel in Dependence on the Tempering Temperature, by J. Salokangas.  
GERMAN, per, Materialprufung, No 12, 1961, pp 437-440.

\*BISI 2664

Selected Articles From the German Periodical Neue Hutte.

Vol V, Dec 1960, pp 720-729.  
Automation of a 1,120 mm Blooming Mill Including the Soaking Pit Installation Using Punch-Cards, by H. Kruger.

\*BISI 2669

No 2, 1961.  
The Use of Slit Strip in Killed and Rimming Steels for the Manufacture of Longitudinal Seam Welded Tubing, by K. Edelmann, (pp 81-87).

\*BISI 2670

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Neue Hutte. (Contd)

- No 2, 1961.  
Studies of a Cold Pilger Tube Rolling Mill, by W. Jakel, H. Neumann, W. Hofmann, (pp 87-91). \*BISI 2671
- Vol VI, No 3, 1961, pp 157-166.  
Measurement of Electromotive Forces Between Slag and Steel Bath and Its Application to the OH Process Control, by K. L. Kiesel. \*BISI 2616
- Vol VI, No 6, 1961, pp 349-358.  
Experience in the Acceptance Testing of Crankshafts, by H. Schumann. BISI 2479
- Vol VI, No 8, 1961, pp 516-524.  
Measurement and Control of the Temperature of Heat-Treating Furnaces, by M. Riehle. BISI 2607
- Vol VI, No 9, 1961, pp 562-572.  
Electro-Slag Remelting: A New Method for the Production of High Quality Steel Ingots, by W. Richling. \*BISI 2608
- Precision Forging of Turbine Blades, by H. Tarmann.  
GERMAN, per, Radex Rundschau, Aug 1961, p 664. BISI 2659
- Modern Shaft Limekiln, by K. Laermann.  
GERMAN, per, Silikat Technik, Vol VII, No 7, 1956, pp 291-293. CSIRO

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Stahl und Eisen.

- Vol LXXV, 2 Jun 1955, pp 682-690. BISI 1874  
Experiments on the Reduction of  
Iron Ore, by H. Schenck.
- Vol LXXVII, 28 Nov 1957, pp 1740-1747. BISI 1595  
Internal Stresses in Hot-Rolling  
Rolls Induced by Service-Stress, by  
H. Buhler.
- Vol LXXXI, 5 Jan 1961, pp 1-12. BISI 2184  
Burden Preparation and Its Effect  
on Blast Furnace Operation, by  
G. Heynert, P. Ischebeck, W. von Spee.
- Vol LXXXI, No 16, 3 Aug 1961. \*BISI 2636  
Increasing the Production of Open  
Hearth Furnaces by Investigating  
the Conditions of Flow, by  
H. J. Darmann, et al, (p 1057).
- Bloomery Hearths of the Ancient  
Settlement of Roman Age in the  
Ahrweiler Forest, Report on the  
Archaeological Diggings 1959/1960,  
by J. W. Gilles, (pp 1069-1072). \*BISI 2638
- Vol LXXXI, No 17, 17 Aug 1961, p 1101. \*BISI 2641  
Investigation on the Flow of Gases  
Through the Charge in the Upper Part  
of the Blast Furnace Stack, by  
E. Poetz, Winzer.
- Vol LXXXI, 14 Sep 1961. \*BISI 2639  
Development, Production and Properties  
of Wear Resisting Rails of Natural  
Hardness, by W. Janiche, H. von Hye,  
(p 1253).
- Heating Up Basic Converters After  
Relining and Replacing the Converter  
Bottom, Using the Bottom Burner  
Method, by A. Latour, L. Heinen, (p 1270). \*BISI 2640

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Stahl und Eisen. (Contd)

- Vol LXXXI, 28 Sep 1961, pp 1313-1321. BISI 2574  
The Effect of Alloying Additions on  
the Properties of Hot-Dip Zinc Coatings,  
by W. Radeker, F. K. Peters, W. Friehe.
- Vol LXXXI, 12 Oct 1961, pp 1410-1415. BISI 2570  
Examples of Quality Control and Opera-  
tive Production Control in a Steelworks,  
by G. Borchert.
- 26 Oct 1961, pp 1472-1473. \*BISI 2647  
Present Position of Lining Practice  
on Large Capacity Arc Furnaces in  
America, by O. Porkert.
- Vol LXXXI, 9 Nov 1961, pp 1497-1502. BISI 2554  
The Use of Tar-Bonded Mixture for  
Taphold Stopping and of the Remote  
Controlled Taphole Drilling Machine  
in Blast Furnace Operation, by W.  
Horn.
- Vol LXXXI, 23 Nov 1961. \*BISI 2680  
The Equipment of a New Coke-Oven  
Plant With Installations for Measur-  
ing, Regulating and Data Processing,  
by H. F. Strahuber, (pp 1574-1581).
- The Final Contents of Steel Bath and  
Slag in the Basic Converter With  
Different Fusion of the Secondary  
Slag, by E. Schurmann, H. P. Haastert,  
H. Hofges, E. Kohler, (pp 1581-1592). \*BISI 2681
- Analysis of the Results of Operation  
of a Cold-Rolling Tandem Mill by  
Increasing the Performance of Its  
Electric Equipment, by W. Nurnberg,  
(pp 1618-1632). \*BISI 2582

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Stahl und Eisen. (Contd)

Vol LXXXI, 23 Nov 1961.  
Operating Experience With Gorman  
Blast Furnace Gas Fired Gas Turbine,  
by H. Mohring, H. Heilig, (pp 1691-1693). \*BISI 2648

Vol LXXXI, 21 Dec 1961.  
Contribution to the Kinetics of the  
Converter Processes, Part I, by  
H. Knuppel, T. Kootz, F. Oeters,  
(pp 1804-1809). \*BISI 2620

The Oxygen Top-Blown Converter, by  
Theo Kootz, H. Neuhaus Kootz, Part II,  
(pp 1810-1815). \*HB 5468

Gas Turbines or Synchronous Motors  
for Production of Blast in Iron  
and Steel Works, by W. Wittwer,  
(pp 1816-1820). \*BISI 2649

Vol LXXXII, No 1, 1962, pp 1-17.  
Comparative Evaluation of Hydrogen  
Carriers Injected Into the Blast  
Furnace Hearth I and II, by  
L. von Bogdandy, W. Schaefers. \*HB 5466

Iron Ore Reduction Tests in a Rotary  
Kiln, by F. Lucke, H. Serbent,  
G. Meyer.  
GERMAN, per, Technische Mitteilungen  
Krupp, Dec 1961, pp 189-195. \*BISI 2689

Heat Transfer and Drop in Pressure in  
Rough Pipes, by W. Nunner.  
GERMAN, per, Verein Deutscher Ingenieure  
Forschungsheft, Parts 2/7 Only,  
Vol XXII, 1956, pp 1-35. \*BISI 2614

Scientific  
Engineering (Contd)

The Development of the Electron Ultra-  
microscope With Electrostatic Lenses,  
by E. Bruche, 33 pp.  
GERMAN, per, Verein Deutscher Ingenieure  
Z, Vol LXXXV, No 10, 1941, pp 221-228.  
9095575

AEC SCL-T-384

Converters, by H. Kronmuller.  
GERMAN, per, Vereines Deutsche Ingenieure  
Z., Vol XXIX, 11 Oct 1961, pp 1429-1433.

\*BISI 2678

Platal Is Produced in New Works.  
GERMAN, per, Wehr und Wirtschaft, No 9,  
1961, pp 347-351.

BISI 2586

The Economy of the Spark Erosion Process  
in the Manufacture and Dressing of Drop  
Forging Dies, by B. Bartkiewics.  
GERMAN, per, Werkstattstechnik, Vol LI,  
Jun 1961, pp 324-326.

BISI 2434

Optimum Arithmetical Accuracy of  
Floating Point Computing Machines,  
by K. Samelson, et al.  
GERMAN, per, Z. fuer Angewandte Mathematik  
und Physik, Vol IV, 1953, pp 312-316.

CSIRO

Measuring Instruments for the Continuous  
Contactless Determination of the Tempera-  
tures of Hot Rolled Material, by R. Schulze,  
F. Esser.  
GERMAN, per, Z. fuer Messen, Steuern,  
Regeln, Vol I, 1961, pp 26-30.

\*BISI 2667

Closure for Borings in Gas and Water  
Pipes Under Pressure, by C. J. Hanssen,  
3 pp.  
GERMAN, Patent No 19,807.

Dept of Commerce  
Patent Office  
Sci Library

Tubular Shield for X-Ray Examinations,  
by Isak Robinsohn, 4 pp.  
GERMAN, Patent No 161,257.

Dept of Commerce  
Patent Office  
Sci Library



Scientific  
Engineering (Contd)

Apparatus for Crystallizing Solid  
Materials From Solutions Subjected to  
a Circulatory.  
GERMAN, Patent No 503,594.

Dept of Commerce  
Patent Office  
Sci Library

Invention Designed to Make Use of  
Solar Heat for Technical Purposes,  
4 pp.  
GERMAN, Patent No 524,943, Class 46d,  
Group II. 9658846

Amer Meteorol Soc T-G-167

Process for Decomposing Rock Phosphates  
by Means of Hydrogen Chloride, 7 pp.  
GERMAN, Patent No 621,713.

Dept of Commerce  
Patent Office  
Sci Library

Optical Illumination System for Pro-  
jectors, 5 pp.  
GERMAN, Patent No 747,917, Class 42h,  
Group 2302. 9658847

Amer Meteorol Soc T-G-168

Railroad Safety Device for Detecting  
the Presence of Overheated Axle Boxes,  
7 pp.  
GERMAN, Auslegeschrift (DAS) Patent  
No 1,082,618.

Dept of Commerce  
Patent Office  
Sci Library

Up-To-Date Basic-Refractory Bricks,  
by J. Sovegjarto.  
HUNGARIAN, per, Kohaszati Lapok,  
Vol XCIII, Feb 1960, pp 68-72, Mar 1960,  
pp 114-117.

BISI 2352

Heat Consumption in Open-Hearth Steel  
Production, by F. Sulcz.  
HUNGARIAN, per, Kohaszati Lapok,  
Vol XCIII, Jun 1960, pp 274-278.

\*BISI 2632

Casting of Pig Iron in Casting Machines,  
by K. R. Arenbeck.  
HUNGARIAN, per, Kohaszati Lapok, No 1,  
1961, pp 29-34.

BISI 2610

Scientific  
Engineering (Contd)

Lectures and Exhibits Pertaining to  
Measuring Techniques at the Weimar Electro-  
technical Conference in East Germany, by  
Andras Haas, (NY-6990).

HUNGARIAN, per, Meres es Automatika,  
Vol IX, No 12, 1961, pp 370-371.

\*JPRS

Production of Gear Rim Blanks of High  
Hardness From Air-Hardening Steel,  
by G. Rossi, L. Vianello.  
ITALIAN, Paper Presented at the Conference  
of Heavy Forging, Terni, Sep 1961.

BISI 2524

Statistical Quality Control in the  
Production of Heavy Forgings, by  
Gottardi, O. Toso.  
ITALIAN, Paper Presented at the Conference  
on Heavy Forging, Terni, Sep 1961.

BISI 2515

New Materials for Permanent Magnets,  
by V. Gottardi.  
ITALIAN, per, Associazione Elettrotecnica  
Italiane, Minal, Riuione, Vol LV,  
No 42(169), 1954, pp 1-6.

CSIRO

Measurements of the Cooling Capacity  
of Quenching Baths, by T. Pesante.  
ITALIAN, per, La Metallurgia Italiana,  
Vol XLIV, Apr 1952, pp 145-152.

BISI 2526

Problems Inherent in Placing Nuclear-  
Powered Thermoelectric Power Plants in  
Caves, by M. Medici, 14 pp.  
ITALIAN, per, Termotechnica, 1957,  
pp 73-77. (Call No EIF 380916).

AMS

On the Remote Control Gear of the Ito  
Diesel Engine, by Takso Matsui, Kan Ito,  
6 pp.  
JAPANESE, Encl 2 to 1030-61 to USNA,  
Tokyo, 7 Dec 1961.

Dept of Navy  
ONI 5134408

Scientific  
Engineering (Contd)

Rolling Oils for Steel Plates, by  
K. Saeki.  
JAPANESE, per, Yukagaku, Vol X,  
1961, pp 88-93.

\*BISI 2657

Criteria of Suitability of Polish Blast  
Furnace Slags for Cement Production, by  
Jan Janowski, 20 pp.  
POLISH, per, Cement-Wapno i Gips,  
Vol XVI/XXVI, No 4, 1961.

CSIR 193

Air Cooling System for Internal Com-  
bustion Engine, by Antoni Lesniak,  
M. Chwiej, J. Paciorkowski, 4 pp.  
POLISH, per, Technika Motoryzacyjna,  
No 1, 1961, pp 35, 36.

525th MI Gp  
I-0100-B  
ID 2180112

The Measuring of Mechanical Vibrations  
and Shocks by Capacitive Transducers,  
by E. Procopovici.  
RUMANIAN, per, Studii si Ceroetari de  
Mecanica Aplicata, No 4, 1960, pp 1019-1025.

\*FTD-TT-62-282

Automatic Core Making, by H. Eriksson.  
SWEDISH, per, Gjuteriet, Vol XLIV,  
Nov 1954, pp 193-195.

BISI 2658

A Method of Obtaining Uranium Concen-  
trate From Uranium-Bearing Material,  
10 pp.  
SWEDISH, Patent No 146,719, 1948.  
9095563

AEC NP Tr-806

Scientific  
Fuels

From Matches to Rocket Fuel, by  
V. Azernikov.

RUSSIAN, bk, Ot Spichki k Raketnomu  
Toplivu, pp 1-143.

\*FTD-TT-62-366

The Mechanism of the Action of  
Kerosene in the Flotation Process,  
by S. I. Krokhn, R. I. Cheremukhina.  
RUSSIAN, per, Iz Vysshikh Ucheb  
Zaved Tsvet Metall, No 1, 1959,  
pp 26-40.

NLL M. 3341

Influence of Flotation Reagents on  
the Linear Adsorption of Flotation  
Oils Over a Three-Phase Wetting  
Perimeter, by S. I. Khokhin,  
R. I. Cheremukhina.  
RUSSIAN, per, Iz Vysshikh Ucheb  
Zaved Tsvet Metall, No 2, 1959,  
pp 27-35.

NLL M. 3342

Liquid Rocket Propellants - Their  
Performance Cost, and Availability,  
by Armin Dadieu, 12 pp.  
GERMAN, per, Raketentechnik und  
Raumfahrtforschung, Vol V, No 3,  
1961, pp 87-89. 9675850

FTD-TT-61-163

Position of National Coal in the  
Economic Picture, by Alves Anibal Bastos.  
PORTUGUESE, bk, Geologia e Metalurgia,  
pp 93-107.

\*Dept of Interior

Scientific  
Geophysics

A Short Guide to Soviet Groundwater  
Theory, 6 pp.  
RUSSIAN, rpt.

MEB

Some Results of Investigations of  
Aurorae and Night Airglow During the  
IGY and IGC, by V. I. Krasovskiy,  
16 pp.  
RUSSIAN, rpt.

Planetary & Space Sci  
Vol VIII, No 3/4  
PP

Technical Data and Description of the  
Russian Expedition Ships Participating  
in the International Geophysical Year  
Program: Poliarnik, Okeanograf,  
Professor Rudovits, Zhemchug, Pervenets,  
Vitiaz, Vavilov, etc.  
RUSSIAN, USSR World Data Center Insti-  
tute of Aeroclimatology, Jan 1961,  
36 pp. 9675872

Navy 3055/HO Tr-136

Magnetism in Space, by N. V. Pushkov,  
(DC-6685).  
RUSSIAN, bk, Magnetizm V Kosmose, 1961,  
pp 1-47.

\*JPRS

Methods of Detailed Study of Seismicity,  
by V. I. Bunz, M. V. Gzovskiy.  
RUSSIAN, bk, Metody Detal'nogo Izucheniya  
Seysmichnosti, Trudy Instituta Fiz Zemli  
im. O. Yu. Shmidta, No 9 (176), AN SSSR,  
Izdatel'stvo AN SSSR, 1960, 327 pp.

\*FTD-TT-62-269

Microbiological Methods of Testing the  
Atmosphere, by A. Yu. Vershigora, 132 pp.  
RUSSIAN, bk, Metody Mikrobiologichnykh  
Doslidzhen Povitrya, 1960, 133 pp.

JPRS 12581

Gravimetric Investigations at Sea, by  
V. V. Fedynskiy, (DC-6733).  
RUSSIAN, bk, Morskiye Gravimetricheskiye  
Issledovaniya, 1961, pp 3-112.

\*JPRS

Scientific  
Geophysics (Contd)

The Barents Sea: The White Sea, by  
L. A. Zenevich.  
RUSSIAN, bk, Morya SSSR, Ikh Fauna i  
Flora, 1956, pp 240-273.

\*Navy/Ho Tr 149

Certain Regularities of the Gravitational Field of the Earth and Their Importance to Geodesy and Cartography, by S. V. Yevseyev.  
RUSSIAN, bk, O Nekotorykh Zakonomernostyakh Gravitatsionnogo Polya Zemli i ikh Znachenii Dlya Geodezii i Geofiziki, 1957.

ACIC

Primary Productivity of Bodies of Water, by G. G. Vinberg.  
RUSSIAN, bk, Fervichnaya Produktsiya Vodoyemov, 1960.

\*AEC

Forecasting and Regulating the Heat Regime of the Surface Layer of the Atmosphere, by M. Y. Berlyand, 11 pp.  
RUSSIAN, bk, Predskazaniye i Regulirovaniye Teplovogo Rezhima Prizemnogo Sloya Atmosfery, 1956, 435 pp. 9658844

Amer Meteorol Soc M-R-TC-38

Radioactive Wastes in the Atmosphere, by S. A. Prechistenskiy, 66 pp.  
RUSSIAN, bk, Radioaktivnyye Vysrosy v Atmosferu, 1961, pp 1-14, 155-170.

JPRS 12637

An Experimental Ice House, by K. F. Voitkovskiy, 18 pp.  
RUSSIAN, bk, Sezonnoye Promerzaniye Gruntov i Primeneniye I'da Dlya Stroitel'nykh Tselei, 1957, pp 88-100. 9658841

Amer Meteorol Soc T-R-374

Deformations of Ice Arches, by K. F. Voitkovskiy, 11 pp.  
RUSSIAN, bk, Sezonnoye Promerzaniye Gruntov i Primeneniye I'da Dlya Stroitel'nykh Tselei, 1957, pp 137-143. 9658845

Amer Meteorol Soc T-R-375

Scientific  
Geophysics (Contd)

The Live Sounds of the Sea, by  
N. I. Tarasov.  
RUSSIAN, bk, Zhivyye Zvuki Morya,  
1960, 86 pp.

\*Navy/Ho Tr 152

Some Problems of Nuclear Meteorology,  
by B. I. Styro, (DC-6718).  
RUSSIAN, per, Atom Energ, Vol XI, No 6,  
1961, pp 533-538.

\*JPRS

Concentration of BE7 in Ground Layer Air  
and In Atmospheric Precipitations, by  
V. P. Shvedov, Z. G. Gritchenko,  
L. I. Gedeyonov.  
RUSSIAN, per, Atom Energ, Vol XII, No 1,  
1962, pp 64-66.

\*FTD-TT-62-416

A Precise Expression for the Normal  
Value of the Total Gradient of Gravity  
and Its Components, by V. V. Yekimov.  
RUSSIAN, per, Byul' Inst Teoret Astron,  
Ak Nauk SSSR, Vol IV, No 3 (56), 1949,  
pp 103-125.

ACIC

Gravimetric Derivation of Deflections  
of the Vertical, by D. H. Khramov.  
RUSSIAN, per, Byul' Inst Teoret Astron,  
Ak Nauk SSSR, Vol IV, No 3 (56), 1949,  
pp 126-133.

ACIC

Problem of the Accuracy of Stokes  
Formula, by D. V. Zagrebin.  
RUSSIAN, per, Byul' Inst Teoret Astron,  
Ak Nauk SSSR, Vol IV, No 3 (56), 1949,  
pp 134-141.

ACIC

On Production of Phytoplankton in the  
North-Western Zone of the Pacific Ocean,  
by V. G. Bogorov, et al.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
No 1, 1955, pp 141-143.

CSIRO

Scientific  
Geophysics (Contd)

Vertical Distribution of Plankton in the Oceans of the World and Typology of Sea Basins, by K. A. Brodsky. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 5, 1955, pp 917-920.

CSIRO

Moment Method in the Theory of Non-linear Differential Equations, by M. I. Gavrilov, 7 pp. RUSSIAN, per, Dopovidi Ak Nauk Ukrayins'koy RSR, No 6, 1961, pp 709-712.

JPRS 12544

On Several New Goniatite Groups From the Carboniferous of the USSR, by L. S. Librovich. RUSSIAN, per, Ezhegodnik Vsesoyuznogo Paleontologicheskogo Obshchestva, Vol XVI, 1955/1956, pp 250-252.

Dept of Interior  
QE3 E57 No 61

Contribution to the Problem of Adiabatic-Invariant Violation and Particle Acceleration in Magnetic Fields and Shock Waves, by V. P. Shabanskiy, (DC-6595). RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol I, No 4, 1961, (pp 483-489).

\*JPRS

Research on Microflora Air Odessa, by D. L. Khoroshanskaya. RUSSIAN, per, Gigiena i Zdrov'e, Vol I, 1941, pp 28-34.

\*ACSI I-0917  
ID 2191511

Conference on the Problem of the Modification of Climate, by A. P. Gal'tsov, 14 pp. RUSSIAN, per, Iz Ak Nauk SSSR, No 5, 1961, pp 128-133.

JPRS 12930



Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Ser  
Geofiz.

ACIC

No 1, 1952.

Method of Analytical Continuation  
of Gravitational Anomalies, by  
A. K. Malovichko, (pp 35-39).

Logarithmic Gravity Measuring Grids,  
by A. A. Nepomnyashchikh, (pp 40-46).

No 5, 1952, pp 55, 56.

Determination of Value and Direction  
of the Magnetic Intensity of Disturb-  
ing Bodies Based on the Results of  
Magnetic and Gravitational Surveys,  
by D. S. Mikov.

No 3, 1953.

Two Ratios of Work of Horizontal  
Pendulums, by G. A. Gamburtsev,  
(pp 201-208).

On the Solution of the Inverse  
Gravimetric Problem, by  
A. K. Malovichko, (pp 228-231).

No 4, 1954, pp 349-359.

Principle of the Gravitation Theory  
of the Movement of Sediments, by  
M. A. Velikanov.

No 2, 1955, pp 181-184.

Computation of Gravitational  
Anomalies in the Course of Linear  
Changes of Rock Density With  
Depth, by A. N. Timofeyev.

Investigations of Soviet Geodesists on  
the Determination of the Size and Shape  
of the Earth, by A. A. Izotov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,  
No 3, 1952, pp 52-54.

ACIC

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Ser Geograf  
i Geofiz.

ACIC

Vol II, No 4, 1938, pp 307-315.  
Determination of the Gravity Center  
of a Disturbing Mass From Gravita-  
tional Observations, by  
G. A. Gamburtsev.

Vol III, No 1, 1939, pp 3-29.  
On the Deformation of the Earth  
According to Observations With  
Horizontal Pendulums in Tomsk and  
Poltava, by A. Ya. Orlov.

Vol III, No 3, 1939, pp 275-286.  
Determination of Derivatives of  
the Gravitational Potential and  
the Relations Between the Moments  
of Disturbing Masses by a Deriva-  
tive Given on a Plane, by  
A. A. Zamorev.

Vol V, No 1, 1941, pp 89-94.  
The Direct and Inverse Problem of  
the Gravitational Potential for a  
Homogeneous Segment of a Sphere,  
by I. S. Gel'fand.

Vol VIII, No 1, 1944, pp 18-24.  
Remarks on the Estimation of the  
Accuracy of Observations With  
Varimeters, by A. D. Dubyago.

Vol VIII, No 5, 1944.  
Experiment of Application of the  
Hypothesis of Partial Isostatic  
Compensation, by D. N. Khramov,  
(pp 281-284).

Accuracy of Determination of Gravity  
Anomalies by Gravitational Vario-  
meters, by Yu. D. Bulanzhe,  
(pp 285-291).

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Ser Geograf  
i Geofiz. (Contd)

ACIC

Vol VIII, No 5, 1944.  
The Inverse Problem of the Gravitational Potential for the Homogeneous Ellipsoid of Rotation, by  
I. S. Gel'fand, (pp 295-297).

Vol VIII, No 6, 1944, pp 381-384.  
On the Addition of Oscillations of Two Gravimetric Pendulums on a Ship, by V. A. Kazinskiy.

Vol IX, No 2, 1945, pp 108-111.  
Barometric Effects on Gravimeters, by V. V. Fedynskiy.

Vol IX, No 3, 1945, pp 240-260.  
On the Averaging of Gravimetric Fields, by A. N. Tikhonov, Yu. D. Bulanzhe.

Vol X, No 5, 1946, pp 449-454.  
On a Method of Distinguishing Local and Regional Gravimetric Fields, by B. L. Shneyerson.

Vol XIII, No 6, 1949, pp 556-562.  
Problem of the Separation of Local Gravitational Anomalies, by V. A. Magnitskiy.

Vol XIV, No 3, 1950, pp 223-231.  
Gravity Anomalies and Their Connection With the Most Important Tectonic Patterns of the Western Regions of the Ukrainian SSR, by A. A. Bogdanov, B. L. Gurevich, S. Ya. Shereshevskaya.

Vol XIV, No 5, 1950, pp 403-414.  
Determination of Harmonic Moments of Disturbing Masses by the Derivative of the Gravitation Potential Given on a Plane, by V. K. Ivanov.

Scientific  
Geophysics (Contd)

Diapir Folds in Coal Beds, by  
L. D. Miroshnikov, 6 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser  
Geol, No 5, 1957.

MEB

The Problem of the Shape of the Earth,  
by I. I. Stebnitskiy.  
RUSSIAN, per, Iz Kavkaz Otdela  
Imperatorskago Russ Geograf Obshch,  
Vol VIII, 1884-1885, pp 225-243.

ACIC

Observations of the Reversible  
Pendulum in Shemakha and Baku, by  
P. Kul'berg.  
RUSSIAN, per, Iz Kavkaz Otdela  
Imperatorskago Russ Geograf Obshch,  
Vol VIII, 1884-1885, pp 294-296.

ACIC

Favorable Periods for Aerial Topo-  
graphic Surveying Depending on Water  
Level Fluctuation in Rivers, Seas,  
and Lakes, by L. A. Bogomolov, 11 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb  
Zaved, Geod i Aerofotos, No 3,  
1961, pp 103-106.

JPRS 12504

Scientific-Technical Conference of  
the Moscow Institute of Engineers of  
Geodesy, Aerial Photography, and  
Cartography, 14 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb  
Zaved, Geod i Aerofotos, No 3, 1961,  
pp 155-158.

JPRS 12504

Determination of the Representation  
Error of Gravity Anomalies by the  
Mean Gradient Method, by M. V. Avdulov,  
12 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Geodeziya i Aerofotos'yemka, No 4,  
1961, pp 67-74.

JPRS 12961

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Met i Gid.

No 10, 1961, pp 54-56.

JPRS 12468

The Meteorological Service in  
Afghanistan, by I. N. Veydner,  
9 pp.

No 11, 1961.

The RKZ-1A Radiosonde, by  
V. A. Pobiyakho, 9 pp.

JPRS 12758

The Thermal Zonality of the Earth,  
by M. I. Budyko, 17 pp.

JPRS 12758

All-Union Meteorological Conference,  
by L. S. Gaudin, 6 pp.

JPRS 12902

No 12, 1961. (DC-6719).

\*JPRS

The Use of Computers in Meteorology,  
by P. K. Yevseyev, (pp 6-14).

Experience With the Quantitative  
Prediction of Precipitation, by  
Ting Te Ch'ang, (pp 23-25).

No 2, 1962. (DC-6728).

\*JPRS

Some Ways of Influence on Climate,  
by M. I. Budyko, (pp 3-8).

On the Formation and Change of  
Macrovortex in the Atmosphere, by  
Vi. Sharov, (pp 9-15).

The Main Features of Radiation Regime  
of Franz Josef Land Glacier Covers,  
by V. A. Markin, (pp 23-27).

On the Universal Formula for the  
Estimation of Global Radiation, by  
M. S. Averkiev, (pp 27-30).

On the Hydrometeorological Study of  
Mountain Regions, by I. A. Il'in,  
(pp 46, 47).

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Met i Gid. (Contd)

No 2, 1962. (DC-6728)

\*JPRS

"Physica of Clouds, by A. M. Borovikov  
and others;" by L. T. Matveyev,  
A. M. Baranov, (pp 62, 63).

Literature on Meteorology, Hydrology  
and Oceanography in 1961 (Continuation),  
(pp 64-67).

The Third Session of the Commission  
on Aerology of the WMO, by  
K. T. Losvinov, A. H. Hrgian,  
(pp 69-71).

The Study of Deep Pacific Currents During  
the International Geophysical Year, by  
N. N. Sysoyev.  
RUSSIAN, per, Mezhd Geofiz God, Informats  
Byul, No 9, 1961, p 17.

NIOT/55

Third Mediterranean Cruise of the E/V  
"Academician S. Vavilov", by  
V. M. Kovylin, 4 pp.  
RUSSIAN, Okeanologiya, Vol I, No 4,  
1961, pp 753-755.

JPRS 12551

Selected Articles From the Russian  
Periodical Okeanologiya.

Vol I, No 3, 1961, pp 543-549.  
Maiden Voyage of the Research  
Vessel Yu. M. Shokal'skiy and Its  
Scientific Results, by  
A. N. Kryndin, 24 pp.

JPRS 12493

Vol 1, No 4, 1961.  
The Use of Principles of Discrete  
Calculation for Relaying the Data  
of Deep Water Measurements, by  
A. N. Paramonov, 5 pp, (pp 710-716).

JPRS 12552

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Okeanologiya. (Contd)

Vol 1, No 4, 1961.

Investigations in the Indian Ocean  
on the 33rd Cruise of the Expedi-  
tionary Vessel "Vityaz", by  
P. L. Bezrukov, 13 pp, (pp 745-753).

JPRS 12551

First Cruise of the Research  
Exploratory Expedition of the  
Polar Institute of Marine  
Fisheries and Oceanography  
Into the Northwest Part of the  
Atlantic (Summer 1960) in  
Search for Herring, by  
I. G. Yudanov, 4 pp, (pp 756, 757).

JPRS 12551

Visual Underwater Observations in  
the Course of the Fifth Cruise of  
the Submarine "Severyanka", by  
G. A. Sokolov, 4 pp, (pp 757-761).

JPRS 12551

Gravimetric Surveying With Stabilized  
Marine Gravimeters in the Okhotsk Sea  
and the Pacific Ocean, by  
K. Ye. Yevdokimov, et al, (DC-6698).  
RUSSIAN, per, Prik Geofiz, No 29,  
1961, pp 136-156.

\*JPRS

Processing the Readings of Overdamped  
Gravimeters During Measurements at  
Sea, by V. A. Kuzivanov, et al,  
(DC-6698).  
RUSSIAN, per, Prik Geofiz, No 29, 1961,  
pp 157-167.

\*JPRS

The Snow Cover on the Drifting Ice of  
the Central Arctic, by G. N. Yakovlev,  
19 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 3, 1960, pp 65-76. 9658839

Amer Meteorol Soc T-R-377

Scientific  
Geophysics (Contd)

Soviet Abstracts Journal, Geophysics,  
56 pp.

RUSSIAN, per, Referativnyy Zhur, Geofiz,  
No 1, 3-6, 1961.

JPRS 12748

Bibliography of Soviet Work of Terrestrial  
Electricity and Electrical Prospecting,  
87 pp.

RUSSIAN, per, Referativnyy Zhur-Geofiz,  
Geol, 1958-1961.

JPRS 13131

Soviet Abstracts Journal, Geology, 37 pp.  
RUSSIAN, per, Referativnyy Zhur, Geol,  
No 6, 1961.

JPRS 12450

Bibliography of Selected Soviet Articles  
on Astronomy, Upper Atmosphere and Space  
Research, 34 pp.

RUSSIAN, per, Referativnyy Zhur, Ser Astron  
i Geod, Geofiz, Mekh, Fiz, Matemat,  
Elektrotekh.

JPRS 13002

Oxidizing-Reducing Environment, Geochemical  
Facies and Petroleum Hydrocarbons, by  
G. I. Teodorovich, 10 pp.

RUSSIAN, per, Sovet Geol, No 47, 1955.

MEB

Geochemical Facies: Oxidizing-Reducing  
Conditions and Organic Matter in Sedi-  
mentary Rocks, by L. A. Gulyayeva, 42 pp.

RUSSIAN, per, Sovet Geol, No 47, 1955.

MEB

Mesozoic Magmatic Rocks of the Eastern  
Edge of the Aldan Shield, by

V. V. Arkangel'skaya, A. G. Kats.

RUSSIAN, per, Sovet Geol, No 4, 1959,  
pp 67-82.

NLL RTS 1891

Complex Oceanographic Research in Area  
of Kurile-Kamchatka Deep, by  
L. A. Zenkevich.

RUSSIAN, per, Trudy Inst Okeanolog,  
Ak Nauk SSSR, Vol XVI, 1959, pp 24-46.

\*AFCL Res Lib



Scientific  
Geophysics (Contd)

Bottom Relief of the Bering Sea, by  
G. B. Udintsev, et al.  
RUSSIAN, per, Trudy Inst Okeanol,  
Ak Nauk SSSR, Vol XXIX, 1959, pp 17-64.

\*AFCRL Res Lib

Radius of Investigation for Gamma Rays  
in Geologic and Ore Deposit Mapping, by  
Ye. M. Filippov, 10 pp.  
RUSSIAN, per, Trudy Sibirsk Geol i  
Geofiz, No 3, 1960.

MEB

Selected Articles From the Russian  
Periodical Trudy Tsentral'nogo  
Instituta Prognozov.

No 93, 1960.

JPRS 12790

Theory of Long-Range Forecast Allowing  
for the Vertical Stratification of the  
Atmosphere and for the Turbulent  
Intermixing, by S. A. Mashkovich,  
Ya. M. Kheyfets, 18 pp.

Perfecting the Methods of Long-Range  
Forecast of Absolute-Topographys  
Maps According to a Barotropic  
Model, by Ya. M. Kheyfets,  
I. A. Shishkova, 12 pp, (pp 16-24).

Some Results of Hydrodynamic Research  
of Breezes, by I. G. Sitnikov, 22 pp,  
(pp 65-79).

No 112, 1961.

\*JPRS

Divergence and Curl of Wind Velocity  
and the La Placion  $\nabla H$  at the Heights  
in Quasi-Vertical Cyclones and Anti-  
cyclones, by A. N. Mertsalov,  
(SF-2203), (pp 18-31).

Prognosis of the Geopotential in the  
Centers of Cyclones and Anticyclones at  
Heights Along the Wind Field Taking  
Acceleration Into Account, by  
M. N. Mineyeva, (SF-2202), (pp 32-39).

Results of Testing Methods of Forecasting  
the Absolute Geopotential of the Isobaric  
Surfaces 500 and 300 Millibars, by  
T. D. Sereda, (SF-2203), (pp 40-45).

Scientific  
Geophysics (Contd)

Method of Degasification When Heading  
in Grassy Strata, by A. I. Rudman.  
RUSSIAN, per, Ugol' Ukrainy, Vol III,  
No 7, 1959, pp 18, 19.

NLL M. 3286

Selected Articles From the Russian  
Periodical Zapiski, Imperatorskago  
Russkago Geograf Obshch po Obshchey  
Geog.

ACIC

Vol XXX, No 1, 1896, pp I-VII, 1-97.  
Repsold's Reversible Pendulum Oscilla-  
tion Observations Carried Out at  
Pulkovo, Moscow, and in Moscow  
Guberniya, by I. Iveronov.

Vol XXX, No 2, 1896, pp 1-78.  
Repsold Reversible Pendulum Oscilla-  
tion Observations Carried Out at Pulkovo  
and Paris in 1893-1894, by A. Sokolov.

Vol XXX, No 3, 1903, pp 1-50.  
Repsold's Reversible Pendulum Oscilla-  
tion Observations Carried Out in  
Kishinev and Aleksandrovsk in 1892,  
by A. Vil'kitskiy.

Vol XXX, No 4, 1903, pp 1-84.  
Repsold's Reversible Pendulum Oscilla-  
tion Observations Carried Out in  
Yeniseysk, Gol'chikha, Dikson Island,  
Tobol'sk, Berezov, Obdorsk and  
Yugorskiy Shar in 1894-1896, by  
A. Vil'kitskiy.

Space Correlation of Local Temperature  
Changes in Turbulent Isotropic Streams,  
by St. Panchev, 5 pp.  
BULGARIAN, per, Doklady Bolgarskoy  
Akademii Nauk, Vol XIV, No 2, 1961,  
pp 143-145.

JPRS 12680

Scientific  
Geophysics (Contd)

Selected Articles From the Chinese  
Periodical Wu-han Ta-hsueh Tzu-jan  
K'o-hsueh Hsueh-pao, Wu-li Chuan-hao,  
No 6, 1959. (DC-6585).

JPRS 12653

On the Methods of Measuring the  
Absorption of Electrical Waves in  
the Ionosphere, by V. D. Gusev,  
9 pp, (pp 1-7).

Ionospheric RF Wave Absorption Meter,  
11 pp, (pp 8-15).

The Dependent Relationship Between  
the Parameters of the Non-Homogeneous  
Ionospheric Structure and the  
Disturbance of the Ionosphere, by  
V. D. Gusev, Li Chun, 9 pp,  
(pp 16-22).

On the Determination of Non-Homogeneous  
Parameters of Ionosphere With Correla-  
tion Method, by V. D. Gusev, Li Chun,  
8 pp, (pp 23-28).

Quality of Water in the Flaje Valley Dam  
During Its First Year of Operation, by  
L. Fiala, 5 pp.  
CZECH, per, Vodni Haspodarstvi, Vol LXXXVII,  
No 5, 1961, pp 221-225. (Call No. TD204).

AMS

Astronomical Observations Above the Earth's  
Atmosphere, by P. Swings, 64 pp.  
FRENCH, per, Centre National de Recherches  
de l'espace, No 15, 1960, 61 pp. 9658842

Amer Meteorol Soc  
T-F-37

Movement of the Paraconical Pendulum and  
the Total Eclipse of the Sun of 30 June 1954,  
by Maurice Allais, 5 pp.  
FRENCH, per, Comptes Rendus, Vol CCXLV,  
4 Dec 1957, pp 2001-2003.

AEC SCL-T-385

Scientific  
Geophysics (Contd)

Radioactivity in the Atmosphere. The Percentage of Small and Large Radioactive Ions in the Air, by Jean Bricard, Jacques Pradel, Andre Renoux, 7 pp. FRENCH, per, Comptes Rendus, Vol CCLII, 1961, pp 2119-2121. 9095529

AEC UCRL Tr-738

The Purification of Air From Radioactive Aerosols, by L. Lassen, 26 pp. GERMAN, per, Atomwirtschaft, Vol V, 1960, pp 511-518.

AEC Tr-4639

Exploration of the Upper Atmosphere at the Ionosphere Research Observatory of Kuehlungsborn, by R. Knuth, 17 pp. GERMAN, per, Die Technik, Vol XVI, No 9, 1961, pp 622-626.

JPRS 12785

International Conference on Hydrological Forecasting, by D. Lauterbach, 6 pp. GERMAN, per, Wasserwirtschaft-Wassertechnik, Vol XI, No 8, 1961, pp 404, 405.

JPRS 12678

Some Characterisitics on Albania's Temperature and Precipitation, by P. Kasneci, S. Jaho, 5 pp. HUNGARIAN, per, Idojaras, Vol LXV, No 2, Mar/Apr 1961, pp 90-92.

JPRS 12512

Air Current in Hungary With Large-Scale Weather Situations of N- and S-Steering, by Gabriella Szalay-Papai, 9 pp. HUNGARIAN, per, Idojaras, Vol LXV, No 2, Mar/Apr 1961, pp 93-98.

JPRS 12514

Scientific  
Geophysics (Contd)

The Energy Necessary for the Creation  
of Lunar Craters and Ring Mountains, by  
Peter Hedervarr, 21 pp.  
HUNGARIAN, per, Magyar Fizikai Folyoirat,  
Vol IX, No 4, 1961, pp 251-263.

JPRS 12459

Considerations of the 11-Year Cycle of  
Solar Phenomena, by Alessandro Rima,  
20 pp.

ITALIAN, per, Geofisica e Meteorologia,  
No 9, 1961, pp 39-46. 9658835

Amer Meteorol Soc T-I-9

Selected Articles From the Polish  
Periodical Przegląd Geodezyjny,  
Vol XXXIII.

JPRS 12991

No 5, 1961, pp 191-195.  
Report on the Activities of the  
Association of Polish Geodesists in  
1960, 8 pp.

No 7, 1961.  
The Activity of the Association of  
Polish Geodesists in 1960 and Its  
Work Plans for 1961, by  
Wladyslaw Ploski, 14 pp, (pp 241-245).

Problems of Geodesy and Cartography  
in 1961-1965, by Borys Szmielew,  
15 pp, (pp 245-249).

Remarks on the Activity of the  
Communal Geodetic Service in  
1961-1965, by Krystyna  
Glowinska, 4 pp, (pp 252-254).

The 15th Congress of the Association  
of Polish Geodesists and Resolutions  
and Recommendations of the 15th Congress  
of the Association of Polish Geodesists,  
15 pp, (pp 274-278).

Scientific  
Geophysics (Contd)

Selected Articles From the Polish  
Periodical Przegląd Geodezyjny,  
Vol XXXIII. (Contd)

JPRS 12991

No 8, 1961.

Subscriptions in Przegląd Geodezyjny  
in 1961, by Stanisław Janusz  
Tymowski, 5 pp, (pp 308, 309).

Current Work of the Central Committee  
of the Association of Polish Geodesists,  
10 pp, (pp 309-311).

Local Changes in the Structure of the  
Ionosphere at High Latitudes, by  
K. L. Olsen.

SWEDISH, per, Geofysiske Publikasjoner,  
Vol XII, No 6, 1942, pp 1-15.

CSIRO

November and December Weather, 1961,  
by Dinh Van Loan, Nguyen Dang Bao, 6 pp.  
VIETNAMESE, per, Thong Bao Thoi Tiet,  
8 Dec 1961, pp 2-4.

JPRS 12936

Detectors of Noxious Substances in the  
Atmosphere, by Bauer, J. Marsak.  
UNKNOWN, 1960, Prague.

\*AEC

East European Technical and Scientific  
Journals, Earth Sciences, 19 pp.  
VARIOUS, per, 1961.

JPRS 12963

Scientific  
Mathematics

Asymptotic Estimates and Entire Functions,  
by M. A. Evgrafov, 192 pp.  
RUSSIAN, bk.

Gordon & Breach

Moments Method in Applied Mathematics, by  
Yu. V. Vorobyev, 300 pp.  
RUSSIAN, bk.

Gordon & Breach

Complex Numbers and Conformal Mapping  
(International Monographs on Advanced  
Mathematics and Physics), by  
A. I. Markushevich, 62 pp.  
RUSSIAN, monograph, Kompleksnyye Chisla  
i Konformivyye Otobrazeniya, 1960, 54 pp.

Gordon & Breach

Linear Differential Equations With  
Variable Coefficients (International  
Monographs on Advanced Mathematics  
and Physics), by I. Z. Shtokalo, 96 pp.  
RUSSIAN, monograph, Lineynyye  
Differentsial'nyye Uravneniya s  
Peremennymi Koeffitsiyentami, 1960,  
75 pp.

Gordon & Breach

Fundamentals of Galois' Theory (Inter-  
national Monographs on Advanced  
Mathematics and Physics), by M. M.  
Postnikov, 142 pp.  
RUSSIAN, monograph, Osvovy Teorii  
Galua, 1959, 109 pp.

Gordon & Breach

Summation of Infinitesimal Quantities,  
by I. Natanson, 74 pp.  
RUSSIAN, bk, Summirovaniye Beskonechno  
Malykh Velichin.

Gordon & Breach

Scientific  
Mathematics (Contd)

Soviet Abstracts Journal, Mathematics,  
64 pp.

RUSSIAN, per, Rerativnyy Zhur,  
Matemat, No 1/6, 1961.

JPRS 12796

The Use of Mathematical Methods in the  
Teaching of Biology and Medicine, by  
R. N. Biryukova, 4 pp.

RUSSIAN, per, Sovet Zdravookhraneniye,  
Vol XX, No 9, 1961, pp 99, 100.

JPRS 12648

New Trends in Mathematical Statistics,  
by N. V. Smirnov, 14 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 8,  
1961, pp 53-58.

JPRS 13083

The Modern Aspects of Mathematics, by  
Lucienne Felix, 194 pp.

FRENCH, bk.

Science Editions

On the Convergence of the Series of  
Legendre Polynomials, by S. Russo.

FRENCH, per, Bull Academie Royale  
des Sciences, Des Lettres des Beaux-  
Arts de Belgique Brussels,

Vol XXXVIII, 1952, pp 168-175.

CSIRO

Playing With Infinity: Mathematics for  
Everyman, by Rozsa Peter, 268 pp.

HUNGARIAN, bk.

Simon & Schuster



Scientific  
Medicine

Atherosclerosis - Occurrence, Clinical Forms, and Therapy, by Aleksandr Leonidovich Myasnikov (Miasnikov).  
RUSSIAN, bk, Ateroskleroz (Proiskhozhdenie, Klinicheskie Formy, Lechenie), Moscow, 1960, 444 pp.

\*NIH

The Effect of Prolonged Daily Irradiation on Nucleic Acid Metabolism in Certain Rabbit Tissues, by R. Ye. Libinon, V. V. Konstantinova, 13 pp.  
RUSSIAN, bk, Biologicheskoye Deystviye Radiatsii i Voprosy Raspredeleniya Radioaktivnykh Izotopov, 1961, pp 18-28.

JPRS 12704

The Effect of the Time of Administration of Bone Marrow Suspensions on the Therapy of Acute Radiation Injury, by S. A. Rogacheva, 7 pp.  
RUSSIAN, bk, Biologicheskoye Deystviye Radiatsii i Voprosy Raspredeleniya Radioaktivnykh Izotopov, 1961, pp 49-54.

JPRS 12704

The Distribution and Excretion of Plutonium in Dogs in the Remote Periods After Its Administration, by T. N. Rysina, R. A. Yerokhin, 11 pp.  
RUSSIAN, bk, Biologicheskoye Deystviye Radiatsii i Voprosy Raspredeleniya Radioaktivnykh Izotopov, 1961, pp 119-127.

JPRS 12704

Control of Diseases Common to Man and Animals, (Zoonoses), 102 pp.  
RUSSIAN, bk, Bor'ba s Boleznymi, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy), 1961, pp 22-37, 54-116, 123-139.

JPRS 12716

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Book Ekspperimental'noy Izucheniye  
Zakonomernostey Raboty Kory Bol'shnikh  
Polushariy, 1960.

JPRS 12969

A Study of Local Electrical Phenomena  
in the Cerebral Cortex in Connection  
With the Elaboration of Conditioned  
Reflexes and Internal Inhibition, by  
G. I. Shul'gina, 8 pp, (pp 14-20).

A Study of the Significance of  
Rhythmic Processes in the Cerebral  
Cortex of Rabbits During the  
Extinction of Conditioned Reflexes,  
by T. A. Korol'kova, 14 pp,  
(pp 21-32).

Conditioned-Reflex Reorganization of  
Cortical Rhythm in Man by the Combina-  
tion of Sound With Rhythmic Light, by  
R. A. Pavlygina, V. S. Rusinov, 8 pp,  
(pp 33-38).

Electrical Activity of the Cortex,  
Thalamus, Hypothalamus and Reticular  
Formation of the Brain Stem of the  
Rabbit from Combination of Sound  
With Rhythmic Light, by  
R. A. Pavlygina, 12 pp, (pp 39-48).

Creation of a Dominant Focus in the  
Motor Analyzer With a Pulsating  
Direct Current, by R. A. Pavlygina,  
R. A. Pozdnyakova, 12 pp, (pp 49-57).

Slow Electrical Processes in the  
Rabbit Cerebral Cortex During the  
Formation of an Association in Time,  
by T. B. Shvets, 16 pp, (pp 58-69).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Book Eksperimental'noy Izucheniye  
Zakonomernostey Raboty Kory Bol'shnikh  
Polushariy, 1960. (Contd)

JPRS 12969

The Problem of the Interaction of  
Food and Defense Conditioned Reflexes,  
by L. A. Preobrazhenskaya, 21 pp,  
(pp 103-119).

The Problem of the Interaction of  
Food and Defense Conditioned  
Reflexes Report 2, by  
L. A. Preobrazhenskaya, 18 pp,  
(pp 120-133).

The Problem of the Interaction of  
Exoitory and Inhibitory Processes  
Report 1, by P. M. Volkova, 15 pp,  
(pp 134-145).

A Characterization of the Recitatory  
Process in the Cerebral Cortex of  
the Dog With Heterogeneous Conditioned  
Reflexes, by U. G. Gasanov, 13 pp,  
(pp 162-170).

The Physiological Role of an External  
Stimulus Concurrent With Action  
Leading to the Removal of Food, by  
Ye. I. Plonskaya, 7 pp, (pp 186-192).

Conclusions From: Meterotransplantation  
of Malignant Tumors, 6 pp.  
RUSSIAN, bk, Geterotransplantatsiya  
Zlokachestvennykh Cpukholey, 1961,  
pp 165-173.

JPRS 12508

Conclusions, Bibliography, and Table of  
Contents From: Interoceptors, by  
V. Chernigovskiy, (NY-7012).  
RUSSIAN, bk, Interotseptory, 1960,  
pp 574-631, 657-659.

\*JPRS

Scientific  
Medicine (Contd)

The Significance of and Prospects for  
the Use of Hypothermia in Different  
Fields of Medicine, by I. R. Petrov,  
Ye. V. Gubler, 13 pp.  
RUSSIAN, bk, Iskussivennaya Gipotermiya,  
1961, pp 180-193.

JPRS 12522

An Investigation of the Pathogenesis of  
Arterial Hypertension, by M. I. Gurevich,  
7 pp.  
RUSSIAN, bk, Issledovaniya Patogeneza  
Arterial'noy Gipertonii, 1960, pp 99-105.

JPRS 12923

Criticism of the Theories of Biologiza-  
tion of Man, by S. I. Gal'perin, 16 pp.  
RUSSIAN, bk, Kritika Teoriy Biologizatsii  
Cheloveka, 1960, pp 22-38.

JPRS 12599

Data Concerning the Study of the Effect  
of the Liver on Circulatory Processes,  
by V. D. Kiknadzo, 11 pp.  
RUSSIAN, bk, Materialy K Izucheniyu  
Iliyaniya Pecheni Na Protsessy  
Krovetvoreniya, 1960, pp 11, 12,  
23, 24, 27-29, 33-36, 42, 43, 60-67.

JPRS 12910

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Report Materialy Soveshchaniya po  
Psikhologii, 1957.

Liveright Publ Corp,  
New York

On the Theory of the Sense of Truth,  
by B. G. Anan'yev, 8 pp, (pp 189-194).

Some Theoretical Problems of the  
Image in Touch, by L. M. Vekker,  
10 pp, (pp 199-205).

Reflex Receptor Mechanisms, by  
Ye. N. Sokolov, 8 pp, (pp 250-256).

Application of Electromyography to  
the Study of Speech, by F. V. Bassin,  
E. S. Bein, 15 pp, (pp 315-327).

Electrophysiological Investigation  
of Speech, by L. A. Novikova, 17 pp,  
(pp 337-351).

Method of Experimental Research of Higher  
Nervous Activity of Man, by  
Vera Konstantinovna Faddeyeva.  
RUSSIAN, bk, Metodika Eksperimentalnogo  
Issledovaniya Vysshey Nervoy Deyatel'nosti,  
1960, 253 pp.

\*FTD-TT-62-358

Mechanisms and Localization of the  
Switching Function of the Brain, by  
O. S. Adrianov, M. Ya. Rabinovich,  
27 pp.  
RUSSIAN, bk, Nekotoryye Teoreticheskiye  
Voprosy Stroyeniya i Deyatel'nosti  
Mozga, 1960, pp 152-178.

JPRS 12739

Electronic Heart Stimulator (ES-1), by  
B. N. Rostovtsev, 5 pp.  
RUSSIAN, mono, Novyye Khirurgicheskiye  
Instrumenty i Apparaty Dlya Grudnoy  
Khirurgii, 1961, pp 20-25.

JPRS 12838

Scientific  
Medicine (Contd)

Thermal and Electrical Injuries, by  
N. G. Dam'ye, 12 pp.

RUSSIAN, bk, Osnovy Travamatologii  
Detskogo Vozrasta, 1960, pp 72-83.

JPRS 13012

Characteristics of the Reaction of a  
Growing Organism to the Ionizing  
Radiation Effect (summary), by  
L. A. Shparo, T. M. Mel'gunova,  
K. A. Moskacheva, 28 pp.

RUSSIAN, bk, Osobennosti Reaktsii  
Rastushchego Organizma Na Deystviye  
Ioniziruyushchey Radiatsii, 1960.

JPRS 12789

Clinical Physiological Nature of  
Hypoxic Conditions and Hypoxic Type  
of Oxygen Deficiency, by A. M. Charnyy,  
31 pp.

RUSSIAN, bk, Patofiziologiya  
Gipoksicheskikh Sostoyaniy, 1961,  
pp 98-143.

JPRS 12521

Plastics in Medicine, 21 pp.

RUSSIAN, bk, Plastmassy v Meditsine.  
Moscow, 1961, pp 9-35, 175.

JPRS 12715

V. Control Processes in Living  
Organisms Physiology of Activity -  
The Next Problems, by N. A. Bernshteyn,  
71 pp.

RUSSIAN, bk, Problemy Kibernetiki,  
No 6, 1961, pp 101-160.

JPRS 12951

Control Mechanisms of Antibody Formation  
in Light of Data of Immunity Genetics  
and Biochemistry of Abnormal Human Hemo-  
globins, by V. P. Efroimson, 27 pp.

RUSSIAN, bk, Problemy Kibernetiki,  
No 6, 1961, pp 161-181.

JPRS 12611

Control Mechanisms in Radiation Sickness,  
by V. P. Efroimson, 31 pp.

RUSSIAN, bk, Problemy Kibernetiki, No 6,  
1961, pp 183-205.

JPRS 12712

Scientific  
Medicine (Contd)

Investigation of the Biocurrent of  
Muscles in Young Sportsmen During  
Repeated Exercises for Strength,  
Speed, and Endurance, by  
D. P. Bukreyeva, (DC-6671).  
RUSSIAN, bk, Problemy Vrachebnogo  
Kontrolya, V, 1960, pp 301-316.

\*JPRS

Analysis of Shifts in the Electric  
Activity of the Brain Under Various  
Physical Stresses, by L. I. Il'ina,  
Ye. V. Kukolevskaya, (DC-6671).  
RUSSIAN, bk, Problemy Vrachebnogo  
Kontrolya, V, 1960, pp 332-344.

\*JPRS

Specific Antigens of Cancer of the  
Breast, by V. V. Gorodilova, 11 pp.  
RUSSIAN, bk, Spetsificheskiy Antigen  
Raka Molochnykh Zhelez, 1961,  
pp 153-167.

JPRS 12973

On the Problem of the Mechanism of  
Formation of Tissue Hemolysins Under  
Normal Conditions and During Radiation  
Injury in Animals, by B. N. Tarusov,  
Yu. B. Kudryashov, Ye. N. Goncharenko,  
(DC-6673).  
RUSSIAN, bk, Voprosy Biofiziki, Biokhimii  
i Patologii Eritrotsitov, 1960,  
pp 277-283.

\*JPRS

Questions of Toxoplasmosis, 54 pp.  
RUSSIAN, pamphlet, Voprosy Toksoplazmoza,  
1961, 69 pp.

JPRS 12894

Total Tissue Doses From the Action of  
all Natural Sources of Radiation, by  
I. M. Belousov, Yu. M. Shtukkenberg,  
6 pp.  
RUSSIAN, bk, Yestestvennaya Radioaktivnost',  
1961, pp 186-191.

JPRS 12728

Scientific  
Medicine (Contd)

Experiences of the Work of the Pharmaceutical Faculty of the First Moscow Order of Lenin Medical Institute Imeni I. M. Sechenov on the Reorganization of Education in the Light of the Law on Strengthening the Connection Between School and Life and Further Development of the System of Public Education in the USSR, by G. A. Melent'yeva, 8 pp.

RUSSIAN, per, Aprechnoye Delo, Vol X, No 5, Sep/Oct 1961, pp 59-63.

JPRS 13046

The Training of Pharmacists at the Evening Department of Higher Educational Institutions, 4 pp.

RUSSIAN, per, Aptechnoye Delo, Vol X, No 5, Sep/Oct 1961, pp 63-66.

JPRS 13046

The Influence of the Thyroid Hormones on the Restorative Regeneration of the Skeletal Muscle in Mammals, by T. M. Kovalenko, 9 pp.

RUSSIAN, per, Arkhiv Anatomii Gistol i Embriol, Vol XXXIV, No 1, 1957, pp 22-28. 9097009

NIH I-19-62

The Effects of Gamma-Rays on the Sorbtive Properties of Some Tissues of White Rats Under Conditions of Chronic Irradiation, by M. I. Fedotova, 6 pp.

RUSSIAN, per, Arkhiv Patol, Vol XXIII, No 12, 1961, pp 57-61.

JPRS 12829

The Dynamics of Morphological Changes of Connective Tissue Capsules Which Develop Around Plastic Implants During the Process of Malignization, by A. Kh. Kogan, 9 pp.

RUSSIAN, per, Arkhiv Patol, Vol XXIII, No 12, 1961, pp 62-68.

JPRS 12829



Scientific  
Medicine (Contd)

Use of the Photomultiplier to Measure  
Fluorescence Spectra of Model Systems  
and Living Objects, by Yu. A. Vladimirov,  
F. F. Litvin, 5 pp.  
RUSSIAN, per, Biofiz, Vol III, No 5,  
1958, pp 606-609. 9096870

NIH 1-25-62

Coordination of Acquired Motor Skills  
in Man as a Method for Studying the  
Control of Arbitrary Movements, by  
L. V. Chkhaidze.  
RUSSIAN, per, Biofiz, Vol VII, No 1,  
1962, pp 80-85.

\*FTD-TT-62-424

Selected Articles From the Russian  
Periodical Byul Eksper Biol i Med.

No 12, 1961.

The Action of Toxins of Pathogenic  
Anaerobes on Tissue Cultures, by  
R. A. Saltykov, Ye. M. Zemskov,  
et al, 5 pp, (pp 43-46).

JPRS 12941

The Effect of Microwaves on the  
Hormonal Activity of the Adrenal  
Cortex, by F. L. Leite,  
L. A. Shuikhine, (pp 47-50).

\*FTD-TT-62-277

Vol LIII, No 1, 1962.

Nonthermic Action of Microwaves on  
the Rythum of Cardiac Report I.  
Investigations of Continuous Micro-  
wave Action, by A. S. Presman,  
N. A. Levoitne, (pp 41-45).

\*FTD-TT-62-278

Post-Traumatic Degeneration and  
Regeneration of Synapses Under  
the Effect of Ionizing Radiation,  
by V. P. Babmindra, (pp 112-117).

\*FTD-TT-62-362

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Byul' Uchenogo Med Soveta,  
No 4, 1961.

JPRS 12743

Development and Implementation of  
New Methods of Diagnosis, Treatment  
and Prophylaxis in Institutions of  
the RSFSR Ministry of Public Health,  
by D. A. Zhdanov, 8 pp, (pp 3-9).

Results of the Setting of Hygienic  
Standards in RSFSR Public Health  
Institutions in 1959/1960, and the  
State of Implementation, by  
A. P. Shitskova, 8 pp, (pp 10-16).

Scientific-Organizational Problems  
of the Verification of the Effective-  
ness and Approval of New Methods of  
Prophylaxis of Infectious Diseases,  
by L. N. Khristov, 6 pp, (pp 17-22).

Eleventh Scientific Session of the  
Sverdlovsk Institute of Labor  
Hygiene and Occupational Disease  
Pathology, by V. A. Mikhailov,  
3 pp, (pp 27, 28).

Plenary Session of the RSFSR MPH  
Scientific Medical Council, 18 pp,  
(pp 29-40).

At the Presidium of the RSFSR MPH  
Scientific Medical Council, 6 pp,  
(pp 40-44).

Replacing Bone Defects With Bone Trans-  
plants After Removing Benign Tumors, by  
N. N. Priorov, V. Ya. Shlapoberskiy,  
S. R. Zatsepin, etc., 12 pp.  
RUSSIAN, per, Eksper Khir i Anesteziol,  
Vol VI, No 5, Sep/Oct 1961, pp 3-10.

JPRS 12646

Scientific  
Medicine (Contd)

The Use of Kapron Cloth in Liver Resection-  
ing in Experiment, by A. F. Oberfel'd, 9 pp.  
RUSSIAN, per, Eksper Khir i Anesteziol,  
Vol VI, No 5, Sep/Oct 1961, pp 44-48.

JPRS 12646

An Instrument for the Clinical Study of  
Pupillary Orientation and Photoreaction  
and the Motion of the Human Eyeball and  
Eyelid, by A. Ye. Liberman, 6 pp.  
RUSSIAN, per, Fiz Zhur, Vol VII, No 6,  
1961, pp 846-848.

JPRS 12596

Some Results of Research on the Higher  
Nervous Activity of Man, by  
O. F. Makarchenko, A. Z. Kolchins'ka,  
8 pp.  
RUSSIAN, per, Fiziol Zhur Ak Nauk  
Ukrayins'koy RSR, Vol VII, No 4,  
1961, pp 443-449.

JPRS 12869

New Sanitary Regulations of Work With  
Radioactive Substances and Sources of  
Ionizing Radiations No 333-60 and  
"Regulations of Transportation of  
Radioactive Substances" No 349-60,  
by P. I. Moiseytsev, 12 pp.  
RUSSIAN, per, Gig i San, No 10, 1961,  
pp 50-57.

JPRS 12823

Changes in the Blood Serum Protein  
Fractions Under the Effect of Tempera-  
ture Drops and Their Hygienic  
Significance, by L. A. Dobrovol'skiy,  
(NY-7021).  
RUSSIAN, per, Gig Truda i Professional  
Zabol, Vol VI, No 3, 1962, pp 19-26.

\*JPRS

The Condition of the Gastric Secretion  
of Workers in Hot Shops, by  
V. A. Sukhanova, (NY-7021).  
RUSSIAN, per, Gig Truda i Professional  
Zabol, Vol VI, No 3, 1962, pp 55-57.

\*JPRS

Scientific  
Medicine (Contd)

Blood Heparinization During Experimental  
Surgical Operations Using NIIEKhAII  
System Heart Lung Apparatus, by  
L. V. Potashov, Z. Ya. Degtyareva,  
et al, (NY-7027).  
RUSSIAN, per, Grudnaya Khirurgiya,  
Vol IV, No 1, 1962, pp 12-18.

\*JPRS

The Surgical Treatment of Superior Vena  
Cava Syndrome, by E. P. Dumpe, (NY-7027).  
RUSSIAN, per, Grudnaya Khirurgiya,  
Vol IV, No 1, 1962, pp 52-58.

\*JPRS

XII Scientific Session of the Institute  
of Therapy of the Acad Med Sci USSR, by  
G. Ye. Perchikova, 11 pp.  
RUSSIAN, per, Kardiologiya, No 3,  
1961, pp 88-92.

JPRS 12794

Selected Articles From the Russian  
Periodical Khirurgiya, Vol XXXVII,  
No 11, 1961.

JPRS 12557

Reanimatology and Its Problems, by  
V. A. Negovskiy, 13 pp.

Proceedings of the 1732d Meeting of  
the Surgical Society of Moscow and  
Moskovskaya Oblast.

Proceedings of the 1733rd Meeting  
of the Surgical Society of Moscow  
and Moskovskaya Oblast.

The Problem of Reanimation (Restora-  
tion of Vital Functions of the  
Organism), by B. V. Petrovskiy,  
12 pp.

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Klin Med.

Vol XXXVII, No 6, 1956.  
Ballistocardiography and Its  
Importance in the Clinic, by  
V. V. Parin, 18 pp, (pp 12-24).

JPRS 12713

The Study of Vascular Tone by  
Digital Plethysmography During  
Peridural Anesthesia, Operations  
and Traumatic Shock, by  
L. D. Karpilovskiy, 10 pp,  
(pp 57-65).

No 7, 1956, pp 70-77.  
Use of Sodium Amytal in Coronary  
Atherosclerosis, by L. A. Myasnikov,  
7 pp.

NIH 1-4-62

Vol XXXIX, No 10, 1961, pp 126-134.  
Psychopharmacological Compounds, by  
A. V. Snezhnevskiy, 15 pp.

JPRS 12410

Vol XXXIX, No 11, 1961, pp 43-56.  
Two Additional Cases of Acute  
Radiation Sickness in Man, by  
G. D. Baysogolov, A. K. Gus'kova,  
29 pp.

JPRS 13022

Vol XL, No 1, 1962. (NY-7019).  
Clinical Aspects of Sport Medicine  
in the USSR, by S. P. Letunov,  
(pp 5-14).

\*JPRS

The Use of Polyglucin in the Treat-  
ment of Patients With Edemas, by  
A. A. Bagdasarov, P. M. Al'perin,  
V. Ye. Krupyanko, T. V. Polushina,  
(pp 91-93).

Scientific  
Medicine (Contd)

The Use of Metals in Surgery, by  
Ye. N. Bolkhovitinova, V. G. Shakhmatov,  
5 pp.

RUSSIAN, per, Med Prom SSSR, No 6,  
1961, pp 7-11.

JPRS 12507

The Exhibition of New Works of the  
All-Union Scientific Research Insti-  
tute for Medical Instruments and  
Equipment, by B. V. Boldyrev, 3 pp.  
RUSSIAN, per, Med Prom SSSR, No 6,  
1961, pp 60, 61.

JPRS 12507

The Awarding of Diplomas, Medals and  
Valuable Presents of the Participants  
of the Exhibition of the Achievements  
of the National Economy of the USSR,  
4 pp.

RUSSIAN, per, Med Prom SSR, No 6, 1961,  
pp 62-64.

JPRS 12507

Candidates for Acting Members of the  
Academy of Medical Sciences USSR, 7 pp.  
RUSSIAN, per, Medit Rabot, No 4,  
Jan 1962, p 4.

JPRS 12888

Medicine and Mathematics, by Ya. Khurgin,  
5 pp.

RUSSIAN, np, Medit Rabot, 23 Jan 1962,  
p 3.

JPRS 12880

Pressing Problems of the Prevention  
and Control of Certain Occupational  
Diseases in Uzbekistan, by K. S. Zairov,  
L. B. Shrayber, 10 pp.

RUSSIAN, per, Med Zhur Uzbek, No 7,  
1961, pp 3-9.

JPRS 12733

Biotron of Professor Panchenko, by  
Polina Seval'neva, 6 pp.

RUSSIAN, per, Nauka i Zhizn', No 12,  
1961, pp 10-13.

JPRS 12918

Scientific  
Medicine (Contd)

The Use of Biactive Electrodes in Gastro-  
Esophagojejuno duodenoplasty, by  
Yu. T. Komorovskiy, S. M. Shamrayevskiy,  
9 pp.  
RUSSIAN, per, Novyy Khir Arkhiv, No 11,  
1961, pp 51-57.

JPRS 12886

Hernia Alloplasty With Capron, by  
Ye. M. Borovyy, (NY-7011).  
RUSSIAN, per, Novyy Khir Arkh, No 1,  
1962, pp 61-63.

\*JPRS

Methods of Electrophysiological Research,  
by M. B. Tsuker, 26 pp.  
RUSSIAN, per, Osnovy Nevropatolog  
Detskogo Vozrasta, 1961, pp 196-218.

JPRS 12851

Concerning the Epidemiology of Trans-  
missible Diseases of Wild Animals  
Affecting Man. Complexes of Combined  
Natural and Intrapopulation Foci, by  
V. N. Beklemishev, 9 pp.  
RUSSIAN, per, Parazit i Parazitarniye  
Bolezni, Vol XXX, No 4, 1961,  
pp 389-394.

JPRS 12598

The Changes in the Blood and Urine of  
Animals Suffering From Tick Paralysis,  
by V. N. Kusov, Z. K. Pospelova,  
V. M. Peteshev, 15 pp.  
RUSSIAN, per, Parazity Zhivotnykh i  
Prirodnaya Ochagovost' Bolezney,  
Trudy Inst Zool, Ak Nauk Kazakh SSR,  
Vol XII, 1960, pp 227-235. 9097010

NIH 1-34-62

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Patol Fiz i Eksper  
Terapiya.

Vol V, No 2, 1961, pp 78-82.

JPRS 12740

First International Congress on the  
Study of Burn Sickness, by  
N. A. Fedorov, 9 pp.

Vol V, No 3, May/Jun 1961, pp 86-91.

JPRS 12878

Basic Problems of Transplantation  
of Tissues and Organs, by P. M. Chepov,  
15 pp.

Vol VI, No 1, 1962, (NY-7028).

\*JPRS

The Effect of General Chilling and  
Hybernation of the Restoration of  
Vital Functions of Animals Subjected  
to Clinical Death Resulting From  
Acute Blood Loss, by V. I. Soboleva,  
(pp 28-33).

The Problem of the Mechanism of  
Hemopoietic Changes Following  
Thermal Burns, by V. S. Barkaya,  
(pp 37-42).

The Condition of Raised Non-Specific  
Resistance of Animals During Muscular  
Training and Training Simultaneous  
With Dibazole Treatment, by  
V. Ya. Rusin, (pp 49-53).

New Possibilities for Raising the  
Heat Resistance of an Organism, In  
the Light of Experimental Data, by  
F. T. Agarkov, (pp 70-73).

The Secretary Function of the Pancreas  
During Radiation Sickness, by  
K. V. Smirnov, M. F. Nesterin,  
(pp 73-76).



Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Patol Fiz i Eksper  
Terapiya. (Contd)

Vol VI, No 1, 1962, (NY-7028).  
Characteristics of Reactions and  
Resistance to Additional Influences  
During Various Periods of Burn  
Sickness, by Ye. V. Gubler,  
V. M. Pinchuk, et al, (pp 77-82).

\*JPRS

Hydrophilic Skin Test During  
Experimental Hyperergic Inflamma-  
tion in Rabbits, by M. Ye. Agrinskiy,  
(pp 83, 84).

Electrophoretic Study of Antiburn Sera,  
by M. Z. Rudnitskaya, S. V. Skurkovich,  
(pp 84, 85).

The Use of Copper-Iontophoresis in the  
Treatment of Inflammatory Processes of  
the Lungs and Respiratory Tract of  
Children, by M. I. Botvinnikova, 7 pp.  
RUSSIAN, per, Pediatriya, Vol XL, No 12,  
1961, pp 8-11.

JPRS 13011

International Symposium on Silicosis in  
Bulgaria, by Khr. Khadzhilov, 9 pp.  
RUSSIAN, per, Priroda, Vol X, No 2,  
Mar/Apr 1961, pp 100-102.

JPRS 12608

The Problem of Hypothalamico-Hypophyseal  
Disorders From the Effect of Ionizing  
Radiation, by N. P. Smirnova, 8 pp.  
RUSSIAN, per, Problemy Endokrin i  
Gormonoterapii, Vol VII, No 6,  
Nov/Dec 1961, pp 15-19.

JPRS 12726

The Effect of the Somatotropic Hormone  
of the Hypophysis on the Protein Composi-  
tion of Blood Serum and the Inflammatory  
Process in Irradiated Animals, by  
E. R. Bagramyan, 6 pp.  
RUSSIAN, per, Problemy Endokrin i  
Gormonoterapii, Vol VII, No 6,  
Nov/Dec 1961, pp 43-46.

JPRS 12726

Scientific  
Medicine (Contd)

Reception in Endocrine Glands, by  
P. M. Kaplan, 21 pp.  
RUSSIAN, per, Problemy Endokrin i  
Gormonoterapii, Vol VII, No 6,  
Nov/Dec 1961, pp 105-114.

JPRS 12726

Infectious Lymphocytosis in Adults  
With Minimal Symptomatology, by  
V. A. Andreyev, 3 pp.  
RUSSIAN, per, Sovet Med, Vol XXII,  
No 7, 1958, pp 133-314.

NIH 1-47-62

The Alkaline Phosphatase Content of  
the Blood in Women During Pregnancy,  
Labour and the Puerperium During  
the Polar Winter, by E. B. Rozentul.  
RUSSIAN, per, Sovet Med, No 7, 1960,  
pp 119-123.

NLL RTS 1941

The Effect of Ascorbic Acid and  
Vitamin A On the Development of  
Experimental Cholesterol Atherosclerosis,  
by I. A. Myasnikova, 7 pp.  
RUSSIAN, per, Trudy Ak Medit Nauk  
SSSR, No 20, 1952, pp 103-107.  
9097012

NIH 1-23-62

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Trudy Vses Inst Eksper Vet.

Vol XXIII, 1959.

All-Union Institute of Experimental  
Veterinary Medicine During the  
40 Years of the Existence of the  
Soviet Regime, by F. A. Terent'yev,  
V. E. Shchurevskiy, (pp 29-48).  
9097343

USDA Tr-V-1764

From the Past of the Veterinary-  
Bacteriological Laboratory of the  
Ministry of Internal Affairs by  
S. N. Vyshellesskiy, (pp 49-58).  
9098003

USDA Tr-V-1766

Results of Development of Zoo  
Hygiene During 40 Years and  
Its Subsequent Problems, by  
N. M. Komarov, (pp 160-174).  
9098004

USDA Tr-V-1767

Vol XXIV, 1961, pp 53-61.  
Experimental Infection of Pigs  
With the Virus of African Swine  
Fever, by Ya. R. Kovalenko,  
et al.

\*USDA

The Viability of Pasteurellae Suspended  
in Air, by V. S. Yarnykh, 14 pp.  
RUSSIAN, per, Trudy Vses Nauch-Issled  
Institut Veterinarii i Ektoparazitolog,  
No 12, 1957, pp 196-210.

JPRS 12897

A Report on the 4th All-Union Convention  
of Urologists, by G. I. Gol'din, 7 pp.  
RUSSIAN, per, Urologiya, Vol XXV, No 6,  
1961.

JPRS 13006

Scientific  
Medicine (Contd)

Philosophical Problems of the Teaching  
of Form-Development and Theory of  
Hereditary Information, by

V. A. Dragavtsev, 20 pp.

RUSSIAN, per, Uspekhi Sovrem Biol,  
Vol LII, No 3, 1961, pp 347-361.

JPRS 12751

Selected Articles From the Russian  
Periodical Vest Ak Med Nauk SSSR.

No 4, 1954, pp 29-34. 9084906  
The Effect of Antibiotics on the  
Growth of Malignant Tumors, by  
G. F. Gauze, 9 pp.

NIH 1-35-62

Vol XVI, No 10, 1961.

Discussion of Reports at the General  
Meeting of the Department of Hygiene,  
Microbiology and Epidemiology, 10 pp,  
(pp 62-67).

JPRS 12975

Psychopharmacological Agents of the  
Stimulant Type, by M. D. Maskovskiy,  
18 pp, (pp 68-78).

JPRS 12767

Psychopharmacologic Agents of the  
Depressant Type, by Yu. I. Vikhlyayev,  
B. I. Lyubimov, 5 pp, (pp 78-82).

JPRS 12767

Psychopharmacology and Psychiatry, by  
A. V. Snezhnevskiy, 7 pp, (pp 82-86).

JPRS 12767

No 11, 1961, pp 75-79.

JPRS 12520

Activities of the Bureau of the  
Department of Clinical Medicine of  
the Academy of Medical Sciences USSR  
in 1960, by V. Kh. Vasilenko,  
I. P. Novikov, 19 pp.

Vol XVI, No 12, 1961.

JPRS 13129

Vital Problems in the Organization of  
Scientific Research in Medicine, by  
E. I. Atakhanov, 6 pp, (pp 87-89).

Scientific Contacts with Foreign  
Scientists, by N. Medvedev, 3 pp,  
(pp 90, 91).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Vest Khirurgii imeni  
I. I. Grekova.

Vol LXXXVII, No 11, 1961.

The Use of Television Methods in  
Medicine, by R. Ye. Bykov, 13 pp,  
(pp 11-16).

JPRS 12848

Surgical Polygraph PGN-01, A New  
Device for Control of Physiological  
Processes During Operations, by  
L. G. Terekhova, A. A. Eman, 18 pp,  
(pp 16-24).

JPRS 12849

Experience With the Use of Extra-  
corporeal Circulation in Experimental  
Open-Heart Surgery, by F. V. Balyuzek,  
Yu. N. Shanin, M. I. Burmistrov,  
15 pp, (pp 24-30).

JPRS 12850

The Use of a Flow-Through Oxygenometer  
Type PO-01 in an Artificial Blood  
Circulation System, by L. F. Sochivko,  
N. V. Volodina, V. M. Poletayeva,  
6 pp, (pp 38-40).

JPRS 12859

Decubitus Ulcer of the Small Intestine  
From a Tube Introduced to Feed the  
Patient After a Gastrectomy, by  
A. N. Burtsev, 4 pp, (pp 111, 112).

JPRS 12835

Vol LXXXVII, No 12, 1961.

Biological (Pathomorphological)  
Characteristics of Bone Homotrans-  
plants Preserved in Paraffin, by  
P. V. Sipovskiy, 9 pp, (pp 17-22).

JPRS 12727

The Fate of Transplanted Heterogenous  
Cartilages, by G. M. Yegiyanyan,  
A. M. Igitkhanyan, 7 pp, (pp 22-26).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Vest Khirurgii imeni  
I. I. Grekova. (Contd)

Vol LXXXVII, No 12, 1961.

JPRS 12727

The Fate of Auto- and Homo-grafts  
of the Skin Transplanted to Burn  
Wounds in Children, by  
Ye. N. Yaroshevskaya, 15 pp,  
(pp 27-36).

Early Prevention of a Traumatic  
Shock, by K. A. Gerbut, 6 pp,  
(pp 77-81).

Vol LXXXVIII, No 1, 1962, pp 84-89,  
(NY-7010).

\*JPRS

Experience in the Surgical Treatment  
of Chemical Burns, by A. I. Legkopudova.

Selected Articles From the Russian  
Periodical Vest Oftal'mol.

Vol VII, No 5, 1961, pp 65-67,  
(NY-7013).

\*JPRS

Primary Symptoms and Classification of  
Cataract, by N. A. Vishnevskiy,  
V. M. Abdullayeva, Ye. A. Ivanova,  
et al.

Vol LXXIV, No 6, 1961, (NY-7018).  
Passov's Operation and Its Modifica-  
tion (Sector Conjunctivotomy) in  
Chemical and Thermal Burns of the  
Eye, by B. L. Polyak, (pp 32-36).

\*JPRS

The Effect of Radiant Energy on the  
Refracting Media of the Eye and  
Problems of Protecting Them, by  
G. G. Kanbay, (pp 41-47).

Riboflavin and Ascorbic Acid Content  
in the Cornea Following Eye Burns,  
by L. I. Blinova, L. M. Tsypin,  
A. I. Sheynberg, (pp 48-53).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Veterinariya.

Vol XXXVIII, No 9, 1960.

JPRS 12875

For High Standards in Veterinary  
Science, by R. M. Alekhin, 11 pp,  
(pp 12-16).

On Fermentators for Biomycin Prepara-  
tions, by A. Ya. Chertkov, 4 pp,  
(pp 76, 77).

On Luminescent Microscopy in  
Microbiology, by P. I. Pritulin,  
15 pp, (pp 78-81).

Use of the Indirect Method of  
Fluorescent Antibodies in the  
Diagnosis of Lymphocytic Chorio-  
meningitis, by P. I. Remezov,  
K. A. Topleninova, 11 pp,  
(pp 84-86).

About the Soviet Union, 18 pp,  
(pp 92-96).

Vol XXXVIII, No 10, 1961.

JPRS 12971

On the Disease of Stachybotrys  
Toxicosis in Horned Cattle, by  
I. G. Levenberg, L. I. Ivantsov,  
M. P. Prostakov, 5 pp, (pp 38-41).

Stachybotrys Toxicosis in Cattle,  
by I. A. Kurmanov, 5 pp, (pp 41-44).

Combined Therapy in Experimental  
Meliodosis, by L. Ye. Khundanov,  
Ye. N. Kuptsevich, Ye. K. Demidova,  
et al, 4 pp, (pp 55-57).

Scientific  
Medicine (Contd)

The 14th Practical Scientific Conventions  
of the Staff Doctors of the Crimean Group  
of Sanatoria of the Ministry of Defense  
USSR, by B. Nikol'skiy, 4 pp.

RUSSIAN, per, Voprosy Kurortolog Fiz 1  
Lechebnoy Fiz Kul'tury, Vol XXVI, No 6,  
1961.

JPRS 13006

General Features and Specific Properties  
of Bio-electric Changes in the Brain Under  
the Influence of Various Barbiturates, by  
I. S. Robiner, 10 pp.

RUSSIAN, per, Voprosy Psikhatrii, No 3,  
1959, pp 407-416.

JPRS 12972

Results of a Comparative Study of the  
Morphology of the Synaptic Apparatus  
Under Normal Conditions, During  
Depancreatization and During Catatonia,  
by V. N. Russkikh, V. V. Russkikh,  
9 pp.

RUSSIAN, per, Voprosy Psikhatrii, No 3,  
1959, pp 417-436.

JPRS 12972

Selected Articles From the Russian  
Periodical Voprosy Psikhologii.

Liveright Publishing  
Corp. New York

No 5, 1951, pp 108-130.

Typological Properties of the Nervous  
System and Their Psychological Mani-  
festations, by B. M. Teplov, 31 pp.

No 1, 1957.

Learning as a Problem in Psychology,  
by A. N. Leont'yev, 20 pp, (pp 3-17).

Formation of Elementary Geometrical  
Concepts and Their Dependence on  
Directed Participation by the Pupils,  
by P. Ya. Gal'perin, N. F. Talyzina,  
26 pp, (pp 28-44).



Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Voprosy Psikhologii. (Contd)

Liveright Publishing  
Corp, New York

No 2, 1957, pp 53-67.

The Dynamics of "Transfer" of Conditioned Reflex Connections From One Signal System to the Other, by V. S. Merlin, 19 pp.

No 4, 1957, pp 53-69.

Individual Differences in the Strength and Sensitivity of Both Visual and Auditory Analysers, by V. D. Nebylitsyn, 23 pp.

No 5, 1957, pp 91-107.

Studies on Thought and Speech Problems by Psychologists of the Georgian SSR, by R. G. Natadze, 23 pp.

No 6, 1957, pp 3-19.

The Genesis of Voluntary Movements, by A. R. Luria, 20 pp.

No 4, 1958, pp 42-52.

The Nature of the Content Illusion, by I. T. Bzhalava, 13 pp.

Significance of Changes Originating in an Irradiated Aqueous Medium During the Process of Injuring Cells by Ionizing Radiation, by E. Ya. Grayevskiy, A. I. Shul'mina, 11 pp.

RUSSIAN, per, Voprosy Tsitol i Obshch Fiz, 1960, pp 80-85.

JPRS 12921

Cytochemical Signs of Radiobiological Reactivity of the Nervous System and Their Functional Significance, by A. L. Shabadash, 22 pp.

RUSSIAN, per, Voprosy Tsitol i Obshch Fiz, 1960, pp 368-381.

JPRS 12921

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Vrachebnoye Delo.

- No 8, 1961. JPRS 13006  
Twenty-First Scientific Session of  
the Ukrainian Scientific Research  
Psychoneurological Institute, by  
A. L. Abashev-Konstantinovskiy, 5 pp.
- No 10, 1961, pp 22-26. JPRS 12918  
On the Characteristics of the Aero-  
microflora of Biotron Wards, by  
L. V. Grigor'yeva, S. L. Gertsriken,  
6 pp.
- No 11, 1961. JPRS 12917  
Results and Tasks of the Control of  
Infectious Diseases in the Ukraine,  
by P. D. Leshchenko, N. F. Kompantsev,  
Yu. Ye. Birkovskiy, 6 pp, (pp 3-7).
- On Methods of Studying the Basic  
Qualitative Indexes of the Activity  
of Sanitary Aviation Stations of  
the Ukraine, by S. K. Kostenko,  
M. I. Donigevich, 7 pp, (pp 123-127). JPRS 12824
- Scientific-Practical Conferences as a  
Form of Sharing New Achievements of  
Medical Institutions, by V. F. Shpinev,  
6 pp, (pp 151-154). JPRS 12890
- International Conference on Problems of  
Eliminating Parasitic and Infectious  
Diseases, by A. I. Shchurenkova, 8 pp.  
RUSSIAN, per, Zdravookhraneniye Tadzhik,  
No 6(-44), Nov/Dec 1961, pp 43-47. JPRS 12976
- Interrepublican Conference of Ophtahl-  
mologists, 8 pp.  
RUSSIAN, per, Zdravookhraneniye  
Turkmenistana, No 3 (26), May/Jun 1961,  
pp 50-52. JPRS 12919

Scientific  
Medicine (Contd)

Reaction and Allergic Reaction in  
Persons Revaccinated Against Tularemia,  
by V. V. Slesarenko, S. G. Buyalo.  
RUSSIAN, per, Zhur Mikrobiol Epidemiol  
i Immunobiol, 1956, pp 44-48.

\*ACSI I-0918  
ID 2191512

Aerosols Immunization With Dry Living  
Vaccines and Toxoids, Communication  
No 7, on the Organization, Method and  
Technique of Massive Aerosol Immuniza-  
tion of Man With Pulverized Vaccines,  
by N. I. Aleksandrov, et al.  
RUSSIAN, per, Zhur Mikrobiol, Epidemiol  
i Immunobiol, No 9, 1961, pp 3-7.

\*USDA

Selected Articles From the Russian  
Periodical Zhur Nevropatol i Psikh  
imeni S. S. Korsakova.

Vol LVII, No 1, 1957, pp 15-22 (DC-6683).  
Some Characteristics of the Structural  
Formation of Higher Branches of the  
Central Nervous System and Their  
Physiological Significance, by  
S. A. Sarkisov, (DC-6683).

\*JPRS

Vol LXI, No 11, 1961.  
Gnostic and Haptic Emotions, by  
A. N. Shogam, 7 pp.

JPRS 12432

Results of the Scientific Conference  
on the Problem "Structure and Func-  
tion of the Nervous System," by  
T. S. Naumova, I. A. Stankevich, 7 pp,  
(pp 1735-.)

Clinical Lectures on the Psychiatry of  
Childhood, by G. E. Sukhareva,  
S. Mnukhin, D. Ozeretskovskiy,  
3 pp, (pp 1744-1746).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Zhur Nevropatol i Psikh  
imeni S. S. Korsakova. (Contd)

Vol LXI, No 12, 1961, pp 1828-1834.  
An Appraisal of the Mechanism of  
the Therapeutic Action of Some  
Psychotropic Substances in the  
Experimental Study of Conditioned  
Reflexes, by A. Yus, 9 pp.

JPRS 12974

Vol LXII, No 2, 1962, pp 178-182.  
(NY-7023).  
The Effect of Imizine on the Bio-  
electric Activity of the Brain,  
by M. D. Mashkovskiy, R. Yu. Il'yuchenok,  
et al.

\*JPRS

Programmed Electronic Device for the  
Automation of Experiments for Elaborat-  
ing Temporary Connections, by  
M. Yu. Ul'yanov, N. M. Kobayakov,  
3 pp.  
RUSSIAN, per, Zhurnal Vysshey Nervnoy  
Deyatel'nosti, Vol XI, No 6, 1961,  
pp 1134-1136.

JPRS 12898

The "Medicine and Engineering" Combine,  
by B. Zubkov, Ye. Muslin, 8 pp.  
RUSSIAN, per, Znaniye i Sila, No 1,  
1962, pp 14-17.

JPRS 12952

Galen on Anatomical Procedures: The  
Later Books, 279 pp.  
ARABIC, bk.

Cambridge Un Press

Nonvirulent Strains of Aujeszky Virus  
Obtained by Passage Through Pigeons,  
by V. Toneva, 4 pp.  
BULGARIAN, per, Dokladi Bolgarskoy  
Akademii Nauk, Vol XIV, No 2, 1961,  
pp 167-190.

JPRS 12607

Scientific  
Medicine (Contd)

The Third National Conference of the  
Scientific Pharmaceutical Societies  
of Bulgaria, 7 pp.

BULGARIAN, per, Farmatsiya, Vol XI,  
No 5, 1961, pp 3-5.

JPRS 13105

Selected Articles From the Bulgarian  
Periodical Khigiena.

Vol IV, No 2, Mar/Apr 1961, pp 21-24.  
A Water-Borne Typhoid Fever Epidemic  
in Bulgaria, by G. Avdzhiev, R. Koen,  
G. Futokov, 8 pp.

JPRS 13114

Vol IV, No 3, May/Jun 1961, pp 57-62.  
Basic Outlines of the Work of the  
Scientific Research Institute of  
Epidemiology and Microbiology in  
Bulgaria, by Vl. Kalaydzhev, 13 pp.

JPRS 12945

No 4, Jul/Aug 1961.  
Resistance of Flexner and Sonne  
Dysentery Bacteria to Antibiotics  
and Sulfathiazol in Vitro, by  
Z. A. Zakhariev, 5 pp, (pp 31-33).

JPRS 12676

Human Kidney Tissue Cultures for  
Virologic Research, by G. Mitov,  
N. Ninov, 6 pp, (pp 47-51).

JPRS 12677

General Account of Scientific Technique  
on the Prevention and Therapeutics of  
the Five Principal Parasitic Diseases  
in Our Country, by Ch'ien Hsin Chung,  
113 pp.

CHINESE, bk, Tsung Chieh Chun Chung Hsin  
te Hsueh Shu Ching Yen, Wei Shun su  
Hsiao Mieh wu t'a Chi Sheng Ch-ung  
Ping Erh Hsun Tou, 1959, pp 99, 100-194.

319th MI Bn  
H-8076 A-B  
ID 2158067

Medical Personnel of Some Hospitals in  
Vojvodina, Yugoslavia, 6 pp.

CROATIAN, per, Medicinski Pregled,  
Vol XIV, No 3, 1961, p 135.

JPRS 12609

Scientific  
Medicine (Contd)

Epidemiological Aspects in Cancer  
Campaign, by J. Kmet, 14 pp.  
CROATIAN, per, Zdravstveni Vestnik,  
Vol XXVIII, No 6/7, 1959, pp 193-197.

NIH 1-37-62

Infectious Lymphocytosis, by M. Pattova,  
4 pp.  
CZECH, per, Ceskoslovenska Pediatrie,  
Vol X, No 4, 1955, pp 274-277.

NIH 1-48-62

Fetal Hepatitis With Perinatal Death  
in Four Siblings, by W. Kiaer, M. Olesen,  
8 pp.  
DANISH, per, Ugeskrift for Læger,  
Vol CXVIII, No 30, 1956, pp 868-872.

NIH 1-49-62

Studies on Bacterial Aerosols and  
Preparation of Aerosols, by  
E. H. Houwink, W. Rolvink.  
DUTCH, bk, Medisch Biologisch  
Laboratorium der Rijksverdediging-  
sorganistie TNO, 1954, 52 pp.

\*ACSI I-1007  
ID 2191528

Typical and Atypical Degeneration of  
the Retina in Families, by  
K. T. A. Halbertsma.  
DUTCH, per, Nederlandsch Tijdschrift  
voor Geneeskunde, Vol LXXII, 1928,  
pp 5205-5220.

\*AEC

Independent Pressure Rise in the Lesser  
Blood Circulation (Essential Pulmonary  
Hypertension), by W. Sipila, E. Taipale,  
P. E. Heikel, et al, 3 pp.  
FINNISH, per, Duodecim, Vol LXIX, 1953,  
pp 631-643.

NIH 1-59-62

On the Effect of Tobacco on Blood  
Circulation, and the Experiences of  
Alienation Cures for Smokers, by  
T. Kumlin, 8 pp.  
FINNISH, per, Duodecim, Vol LXXV,  
No 1, 1959, pp 1-9.

NIH 1-45-62

Scientific  
Medicine (Contd)

Glandular Tumors of the Ear, by  
J. Leroux-Robert, A. Ennuyer, 4 pp.  
FRENCH, bk, Les Tumeurs Malignes de  
l'Oreille, 1957, pp 170-173.

NIH 1-54-62

Acute Infectious Lymphocytosis, by  
J. Casman-Govaerts, 5 pp.  
FRENCH, per, Act Clin Belg, Vol IX,  
No 4, 1954, pp 347-352.

NIH 1-21-62

Chemical Characterization of Urinary  
Gonadotropins, by R. van den Driessche,  
M. J. Hans, 2 pp.  
FRENCH, per, Ann d'Endocrinologie,  
Vol XIII, No 3, 1952, pp 485, 486.

NIH 1-15-62

Incorporation of Endogenous and  
Exogenous Amino Acids in Yeast  
Proteins, by H. O. Halvorson,  
G. N. Cohen, 7 pp.  
FRENCH, Ann Inst Pasteur, Vol XCV,  
No 1, 1958, pp 73-87.

NIH 1-1-62

Anti-Cancer Therapy by Means of Artificial  
Radioactive Isotopes Applied Entirely,  
by J. H. Muller, 10 pp.  
FRENCH, per, Bruxelles - Medical, Vol XLI,  
No 4, 1961, pp 101-115.

NIH 1-6-62

Optical and Electronic Microscopy Study  
of the "Immunologically Competent Cells"  
in the Course of Grafting Reactions, by  
Jacques-Louis Binet, Georges Mathe.  
FRENCH, per, Comptes Rendus, Vol CCLIII,  
23 Oct 1961, pp 1852, 1853.

\*AEC

Comparative Study of the Radiosensitivities  
of Normal Tissues and Crown-gall Tissues  
of *Scorzonera* Cultivated in Vitro, by  
R. Jonard, 2 pp.  
FRENCH, per, Comptes Rendus Acad Sci,  
Vol CCXLVIII, 1959, pp 2807. 2808.

NIH 1-2-62

Scientific  
Medicine (Contd)

Histoautoradiographic Study of Tritiated Thymidine Incorporation in Cells Treated With Trihydroxy-N-Methylindole, by M. Chevremont, E. Baeckeland, 3 pp. FRENCH, per, Comptes Rendus Acad Sci, Vol CCLI, 1960, pp 1097-1099.

NIH 1-18-62

A Hematological Test for Cancer Diagnosis (Preliminary Article), by G. di Virgilio, F. Infante, 5 pp. FRENCH, Medicine et Hygiene, Vol DVI, 1961, p 466.

NIH 1-3-62

About a Case of Mixed Tumors of the Uterine Body, by G. Cotte, J. F. Martin, Cl. Mileff, 9 pp. FRENCH, per, Revue Francaise de Gynecologie et d-Obstetrique, Vol XXXVII, 1942, pp 51-61.

NIH 1-52-62

Breaking the Tobacco Habit, by H. Kaufmann, L. Bensimon, 3 pp. FRENCH, per, Vie Med, Vol XLI, 1960, pp 1139, 1140.

NIH 1-11-62

Fifty Years of Catalase Research. Chemical Results and Biological Problems, by H. von Euler, 17 pp. GERMAN, bk, Festschrift Prof. Dr Arthur Stroll zum Seibzigsten Geburtstag, 8 Jan 1957, Birkhauser, Basel, 1957, pp 603-619.

NIH 1-20-62

Pathologico-Anatomic Investigations on Amyloid Kidneys in the Light of Recent Research Results, by E. Muller. GERMAN, Dissertation, Wurzburg, 1955.

NIH 1-57-62

On the Population Genetics of the ABO-Blood Groups. Second Report. Gene Frequency and Epidemic Diseases, by F. Vogel, H. J. Pettenkofer, W. Helmbold, 22 pp. GERMAN, per, Acta Genetica et Statistica Medica, Vol X, No 4, 1960, pp 267-294.

NIH 1-44-62



Scientific  
Medicine (Contd)

Experimental Studies on the Effect of  
Rare Earths on the Functions and  
Anatomy of the Liver, by F. Fischler,  
K. W. Roeckl, 22 pp.

GERMAN, per, Arch Exptl Pathol und  
Pharmakol, Vol CLXXXIX, 1938, pp 4-21.

AEC Tr-4640

On the Accuracy of Measuring the Con-  
centration of Virus Solutions, by  
Rolf J. Lorenz, 7 pp.

GERMAN, per, Archiv fur die Gesamte  
Virusforschung, No 5, 1960, pp 551-559.

ACSI I-0772  
ID 2186174

Examination Concerning the Dosage and  
the Concentration of Virus Titrations,  
by Rolf J. Lorenz, 12 pp.

GERMAN, per, Archiv fur die Gesamte  
Virusforschung, No 5, 1960, pp 560-577.

ACSI I-0771  
ID 2186173

Studies on Cornification of Mucous  
Membrane (Pachyderma Mucosae), by  
C. Posner, 17 pp.

GERMAN, per, Archiv fuer Pathologische  
Anatomie und Physiologie und fuer  
Klinische Medizin, Vol CXVIII, No 3,  
1889, pp 391-413.

NIH 1-42-62

Medical Supervision of Persons Occupa-  
tionally Exposed to Radiation, by  
I. Danczkay, H. J. Melching, 19 pp.  
GERMAN, per, Atomkernenergie, Vol VII,  
No 3, 1961, pp 117-122. 9097020

AEC NP Tr-818

Rapid Analysis of Blood Cells Formed  
by Means of a New Automatic Counter  
(Contribution to the Early Diagnosis  
of Radiation Damage, Particularly  
With Nuclear Catastrophes): Report I,  
by K. Damming, E. H. Gaul, 14 pp.

GERMAN, per, Atompraxis, Vol IV, 1958,  
pp 375-381. 9095547

AEC Tr-4861

Scientific  
Medicine (Contd)

The Influence of Incorporated Radio-isotopes on the Peripheral Blood Picture and Its Diagnostic Significance, by K. Damminger, E. H. Graul, 9 pp.  
GERMAN, per, Atompraxis, Vol V, 1959, pp 421-425. 9095545

AEC Tr-4859

Behavior of Formed Blood Components Under Prolonged Irradiation, by E. H. Graul, K. Damminger, 9 pp.  
GERMAN, per, Atompraxis, Vol VII, 1960, pp 357-361. 9095546

AEC Tr-4860

Menstruation Disturbance in Catatonic Schizophrenic Psychoses, by H. Froshaug, 4 pp.  
GERMAN, per, Confinia Neurologica, Vol XVIII, 1958, pp 167-171.

NIH 1-41-62

Evidence of Viruses and Virus Antigens With the Aid of Fluorescence - Marked Antibodies, by G. Poetschke, 52 pp.  
GERMAN, per, Fortschritte der Medizinischen Virologie, Vol III, 1961, pp 79-157.

ACSI I-0920  
ID 2191513

The Current-Voltage Characteristic of the Excitable Membrane of a Single Ranvier's Node and Its Dependence on the Ion Concentration, by R. Stampfli, 13 pp.  
GERMAN, per, Helv Physiol Acta, Vol XVI, No 2, 1958, pp 127-145.

NIH 1-40-62

Blood Sugar Reduction by Means of Bean Pods, by E. Otto.  
GERMAN, per, Hippokrates, Vol IX, No 51, 1938, pp 1317-1325.

CSIRO

Morphological Antigen-Antibody Localization With Fluorescent Antibodies in Interstieller Pneumonia, by Roland Gadeke, 6 pp.  
GERMAN, per, Kinderheilkunde, 1960, pp 152-156.

ACSI I-0850  
ID 2186192

Scientific  
Medicine (Contd)

On the Excretion of Bromosulphthalein  
in the Bile of Normal Patients and  
Patients With Hepatitis, by H. Wernze,  
H. Schmidt, 3 pp.

GERMAN, per, Klinische Wochenschrift,  
Vol XXXIX, 1961, pp 924, 925.

NIH 1-61-62

Critical Considerations Concerning the  
Value of the SLAD and SALD Determination  
for the Diagnosis of Carcinoma, by  
J. Rehn, H. E. Kohnlein, 5 pp.

GERMAN, per, Med Welt, No 16, 1960,  
pp 841-843.

NIH 1-38-62

Pathogenesis and Etiology of Acute  
Infectious Lymphocytosis, by  
H. J. Burgstedt, 14 pp.

GERMAN, per, Monatsch fuer Kinderheilkunde,  
Vol CIII, No 9, 1955, pp 401-407.

NIH 1-46-62

Adenoma of the Ceruminal Glands of the  
External Auditory Meatus, by W. Sprenger,  
F. Prietzel, 5 pp.

GERMAN, per, Monatschr fuer Ohrenheilk,  
Vol LXXIII, 1939, pp 722-725.

NIH 1-60-62

Infectious Diseases of Animals in the  
GDR, Summary Charts, 9 pp.

GERMAN, per, Monatshefte fuer  
Veterinaermedizin, Vol XVI, 1961.

JPRS 13059

Concerning a Case of Adenomyoma  
Sarcomatosum, by Bauereisen, 2 pp.

GERMAN, per, Munch Med Wochenschr,  
Vol LI, 1904, pp 1321, 1322.

NIH 1-51-62

Operative Technique for Closure of  
Retinal Pores (Holes) at the Posterior  
Pole of the Eye With Special Emphasis  
on Holes in the Macula, by  
A. Bangerter, 4 pp.

GERMAN, per, Ophthalmologica, Vol C,  
1940, pp 351-354.

NIH 1-50-62

Scientific  
Medicine (Contd)

Contributions to the Study of the Vegetative Nervous System III, the Influence of the Vestibular Apparatus on the Vascular System, by E. A. Spiegel. GERMAN, per, Phfuerger's Archiv fuer die Gesamte Physiologie des Menschen und der Tiere, Vol CXCVI, 1922, pp 185-199.

CSIRO

A Special Form of Idiopathic Hypertrophy of the Esophagus, by H. Lummert, 16 pp. GERMAN, per, Thoraxchirurgie, Vol VIII, 1960, pp 436-450.

NIH 1-56-62

Damage From Nicotine Consumption and Breaking the Tobacco Habit, by J. Tuba, F. Jost, 13 pp. GERMAN, per, Wien Med Wschr, Vol CX, No 40, 1960, pp 819-823.

NIH 1-13-62

The Structure of the Cheeks Including the Inner Lining as Compared to That of the Lips, by S. Schumacher, 30 pp. GERMAN, per, Z fuer die Gesamte Anatomie, Vol LXXIII, 1924, pp 247-276.

NIH 1-36-62

Two Cases of Adenoma of the Sebaceous Glands at the External Ear, by C. Klingel, 4 pp. GERMAN, per, Z fuer Ohrenheilkunde, Vol XXI, 1891, pp 189-192.

NIH 1-53-62

The Importance of Q-Fever as a Zoonosis, by U. Reusse, 35 pp. GERMAN, per, Z fuer Tropenmed und Parasitol, Vol XI, No 2, 1960, pp 223-262.

NIH 1-10-62

Hematology Conference in Hungary, 12 pp. HUNGARIAN, per, Orvosi Hetilap, Vol CII, No 48, 26 Nov 1961, pp 2300-2302.

JPRS 12675

Scientific  
Medicine (Contd)

Sensitivity to Phenylthiocarbamide (P.T.C.) in Simians (Data Collected in the Italian Zoos), by B. Chiarelli, 6 pp.  
ITALIAN, bk, Archivio per l'Antropologia e la Etnologia, Vol LXXXIX, 1959.

NIH 1-32-62

Incidence of Vertebral Column Changes in Traveling Personnel of a Transport Company, by E. Barbaso, 4 pp.  
ITALIAN, rpt, Sull'incidenza Delle Alterazioni Della Colonna Vertebrale nel Personale Viaggiante di una Azienda Auto Tramviaria, Oct 1958, pp 630-634.

ACSI I-0828  
ID 2186183

Fluorescent Antibodies in Laboratory Diagnosis (Principles of the Techniques), by D. d'Antona, E. Mannucci, 12 pp.  
ITALIAN, per, Annali Sclavo, Vol III, No 1, 1961, pp 37-48.

NIH 1-5-62

Data on P.T.A. (Phenylthio-Carbamide) Sensitivity in Primates, by B. Chiarelli, 3 pp.  
ITALIAN, per, Atti A.G.I., Vol V, 1960, pp 275-280.

NIH 1-24-62

Cranial Nerves, by G. Ovio, 3 pp.  
ITALIAN, per, Dalle Origini al 1850, Vol I, 1950, pp 263, 264.

NIH 1-58-62

Studies in Antiviral Chemotherapy. Note 1. Results With the Use of 6-Mercaptopurine, Aminopterin, Triethylene-Melamine, and Thio-Semicarbazone and Experimental Infection With Smallpox Vaccine Virus in the Rabbit, by P. Cocchi, 10 pp.  
ITALIAN, per, Rivista di Clinica Pediatrica, Vol LVII, 1957, pp 238-249.

NIH 1-7-62

Scientific  
Medicine (Contd)

Further Observations on the Relationship Between Chromosome Arrangement and Resistance to DDT in Anopheles Atroparvus, by G. D'Alessandro, G. Frizzi, M. Mariani, 5 pp.  
ITALIAN, per, Rivista di Parassit, Vol XIX, No 1, 1958, pp 67-72.

NIH 1-17-62

Studies on Lysine Fermentation. Report No 2.  $\alpha$ ,  $\epsilon$ -Diaminopimelic Acid and Its Decarboxylase in Lysine-Producing Strains and Parent Strain, by K. Nakayama, S. Kinoshita, 7 pp.  
JAPANESE, per, Nihon Nogeikagaku Kaishi, Vol XXXV, No 2, 1961, pp 110-113.

NIH 1-8-62

Studies on Lysine Fermentation. Report No 3.  $\alpha$ ,  $\epsilon$ -Diaminopimelic Acid Accumulation and Diaminopimelic Acid Decarboxylase, by K. Nakayama, S. Kinoshita, 13 pp.  
JAPANESE, per, Nihon Nogeikagaku Kaishi, Vol XXXV, No 2, 1961, pp 113-118.

NIH 1-9-62

Polyneuroradiculitis Showing the Guillain-Barre Syndrome, by E. Hamamoto, 38 pp.  
JAPANESE, per, Nihon Shonikagakukai Zasshi, Vol LX, No 8, 1956, pp 661-681.

NIH 1-39-62

The Health of Persons Exposed to the Effect of High Frequency Electromagnetic Fields, by Leopold Minecki, 8 pp.  
POLISH, per, Medycyna Pracy, Vol XII, No 4, 1961, pp 329-335. 9664289

FTD-TT-61-380/1

Histopathological Changes in the Internal Organs of Mice Exposed to the Effect of Microwaves (S-Band), by Leopold Minecki, Ryszard Bilski, 6 pp.  
POLISH, per, Medycyna Pracy, Vol XII, No 4, 1961, pp 337-344. 9664289

FTD-TT-61-380/1

Scientific  
Medicine (Contd)

A Personal Interpretation of the  
Etiology of Periodical Diseases, by  
E. Febbraro, 14 pp.  
SPANISH, per, Cooperador Dental,  
Vol XXVI, No 154, 1959, pp 6-10  
Vol XXVII, No 155, 1959, pp 1-3.

NIH 1-28-62

Urinary Incontinence Secondary to  
Epispadias in a Female, Treated  
With the Marshall Marchetti Technique,  
by R. Lopex Engelking, T. Palomo,  
9 pp.  
SPANISH, per, Gaceta Medica de Mexico,  
Vol LXXXIX, 1959, pp 753-765.

NIH 1-55-62

Epidemic Virus Otitis Media, by  
M. Cascales, 8 pp.  
SPANISH, per, La Samana Medica  
(Buenos Aires), Vol CVIII, No 14,  
1956, pp 446-449.

NIH 1-31-62

Physiopathology of the Pregnant  
Woman Who Smokes, by G. Rodriguez Lopez,  
23 pp.  
SPANISH, per, Rev Esp Obst Ginec, Vol XIX,  
1960, pp 230-248.

NIH 1-12-62

Contributions to the Casuistics of the  
Neuroanemic Syndrome, by J. M. Morales,  
D. Barcia, E. Amat, 6 pp.  
SPANISH, per, Rev Espan Oto-Neuro-  
Oftalmol y Neurocir, No 18, 1959,  
pp 381-385.

NIH 1-33-62

Problems of Posture and Body Movement  
During Work, by A. Ahlivark, 6 pp.  
SWEDISH, per, Nord Hyg Tidskr, 1954,  
pp 136-139.

ACSI I-0831  
ID 2186185

Medical Activities, 5 pp.  
VIETNAMESE, per, Y Hoc Viet Nam, No 1,  
1961, pp 96-98.

JPRS 12426

Scientific  
Minerals/Metals

Improvement of the Quality of Steel by Vacuum Treatment of the Liquid Metal and Casting in a Protective Atmosphere, by L. M. Novik.

RUSSIAN, bk, The Application of Vacuum to Steel-Melting Processes, Chap III, 1957, pp 34-.

NLL M.3404

The Influence of Added Elements on the Polymorphism of Iron as a Function of Their Position in the Periodic System, by V. N. Svetchnikoff.

RUSSIAN, Paper at the Scientific-Technical Conference of the Dniepropetrovsk Institute of Metallurgy on 12 Jun 1935.

NLL M.3398

Lectures on Physical Metallurgy, Equipment, and the Process of Metal Heat Treatment; The Physical Metallurgy of Heat-Resistant Alloys, by M. L. Bernshteyn.

RUSSIAN, bk, Kurs Lektsiy po Metallovedeniyu, Oborudovaniyu i Tekhnologii Termicheskoy Obrabotki Metallov; Metallovedeniye Zharoprochnykh Splavov, Moskovskiy Institut Stali, Moscow, pp 40-50.

\*FTD-TT-62-273

Deep Cooling When Deep-Drawing Parts From Heat-Resistant Metal Sheets, by V. N. Revinov.

RUSSIAN, bk, Obrabotka Zharoprochnykh Splavov, 1960, pp 53-58.

BISI 2552

Effect of Mandrel and Roll Shape on the Basic Parameters of the Piercing Process, by V. S. Smirnov, M. F. Nevizhin.

RUSSIAN, bk, Stal' Sbornik Statei, 1961, pp 316-334.

\*BISI 2726



Scientific  
Minerals/Metals (Contd)

Changes in the Fine Structure of  
Mineral Coals in Various Stages of  
Metamorphism, by V. I. Kasatochkin,  
et al.

RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol LXXIX, No 2, 1951, pp 315-318.

CSIRO

Investigation of the Heterogeneity  
of Ingots for Special Steel Plate, by  
V. A. Molotkov, S. G. Fetisov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Chern Metal, No 9, 1961, pp 59-70.

BISI 2604

The Formation of Oxide Inclusions  
in Steel Deoxidized With Aluminium,  
by P. M. Danilov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Chern Metal, No 12, 1961, pp 54-60.

\*BISI 2686

Flotation of Coal in the Presence of  
Large Quantities of Argillaceous  
Slurry, by V. I. Klassen, V. A. Nevskaya.  
RUSSIAN, per, Koks i Khim, No 3,  
1958, pp 15-18.

ILL M.4042

The Effect of the Heat Treatment  
Conditions on the Anisotropy of the  
Mechanical Properties of Forged Steels,  
by V. N. Trubin, I. Ya. Chernikova.

RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Vol III, No 5, 1961, pp 5-9.

\*BISI 2673

Determination of the Coefficient of  
Friction From the Hardness Distribution  
in the Plastic Zone, by P. A. Ivanov.

RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Vol III, No 5, 1961, p 10.

\*BISI 2674

Non-Oxidizing Heating of Billets in a  
Reverberatory Furnace With Final Combustion  
of the Products of Incomplete  
Combustion in the Furnace Chamber, by  
A. V. Pugovkin.

RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Vol III, No 5, 1961, pp 34-36.

\*BISI 2656

Scientific  
Minerals/Metals (Contd)

The Structure and Distribution of  
Secondary Phases in Stainless  
Austenitic Steels, by V. Chigal,  
Ya. Yezhek.

RUSSIAN, per, Metall i Term Obrab  
Metall, No 8, 1960, pp 17-19.

NLL M.4010

Long-Time Rupture of Austenitic Steels,  
by I. H. Laguntsov, V. F. Zlepko.

RUSSIAN, per, Metall i Term Obrab  
Metall, No 2, 1961, pp 24-47.

NLL M.3391

On the Role of the Properties of Crystals  
and the Superstructures of Grain in the  
Strength of Metals, by G. V. Kurdyumov,  
M. D. Perkas.

RUSSIAN, per, Metall i Term Obrab  
Metall, No 9, 1961, pp 33-43.

\*FTD-TT-62-272

The Effect of Mould Design on Crack  
Formation in Continuously Cast Billets,  
by V. P. Druzhinin, D. P. Evtyev,  
B. H. Katomin.

RUSSIAN, per, Metallurg, No 12, 1961,  
pp 12-15.

\*BISI 2654

Soviet Abstracts Journal, Mining, 137 pp.  
RUSSIAN, per, Referativnyy Zhurnal,  
Gornoye Delo, No 4/11, 1961.

JPRS 12854

Soviet Abstracts Journal, Metallurgy,  
34 pp.

RUSSIAN, per, Referativnyy Zhurnal,  
Metallurgiya, No 5, 6, 7, 8, 9.

JPRS 12797

The Structure of Aluminium Alloys With  
Mg and Sn, by T. A. Badayeva, R. I. Kuznetsova.

RUSSIAN, per, Trudy Inst Metall Ak Nauk,  
No 3, 1958, pp 203-215.

OT 4679

Preparation of Uranium Sesicarbide and  
Uranium Dicarbide, by A. Accary,  
J. Trouve.

FRENCH, per, Commissariat l'Energie  
Atomique Centre d'Etudes Nucleaires de  
Saclay, No 11, 1960, DM-942.

\*AEC

Scientific  
Minerals/Metals (Contd)

Energy of Activation of the Reaction  
and Specificity of Active Metallic  
Ion of the Catalyst, by A. Goudot.  
FRENCH, per, Comptes Rendus, Vol CCXL,  
1955, pp 975-977.

CSIRO

Metallography - Study of Self-Diffusion  
of Uranium in the Alpha Phase, by  
Yves Adda, Alexis Kirianenko,  
Claude Mairy, 4 pp.  
FRENCH, per, Comptes Rendus, 17 Jul 1961,  
p 4457. 9097013

AEC HW Tr-30

Metallurgy - Statistical Arrangements,  
by M. Marc Salesse.  
FRENCH, per, Comptes Rendus des Seances  
de l'Academie des Sciences, Vol CCLIII,  
25 Sep 1961, pp 1331-1333.

\*AEC

Non-Destructive Technique for Electron  
Micrography and Microfractography.  
Application to the Examination of  
Massive Components, by P. A. Jaquet,  
et al.  
FRENCH, per, Memoires Scientifiques de  
la Revue de Metallurgie, Vol LVII,  
No 4, 1960, pp 241-253.

\*BISI 2634

X-Ray Fluorescence Analysis in  
Metallurgy, by H. Bisouard, G. Pomey.  
FRENCH, per, Metaux Corrosion Industries,  
Vol XXXIV, Jul-Aug 1959, pp 302-315.

BISI 2592

Selected Articles From the French  
Periodical Revue Metallurgie Memories  
Scientifiques.

Vol LVII, Apr 1960, pp 241-253.  
Non-Destructive Technique for Electron  
Micrography and Microfractography  
Application to the Examination of  
Massive Components, by P. A. Jaquet,  
E. Moncarelli.

\*BISI 2634

Scientific  
Minerals/Metals (Contd)

Selected Articles From the French  
Periodical Revue Metallurgie Memories  
Scientifiques. (Contd)

Vol LVIII, Jun 1961, pp 401-413.  
Surface Tension of Liquid Iron and  
Its Alloys. Part I, by  
P. Kozakevitch, G. Urbain.

BISI 2609

Vol LVIII, Jul 1961, pp 481-495.  
The Direct Analysis of Sulphur,  
Phosphorous, Carbon and Silicon in  
Steels by Emission Spectrometry in  
the Far Ultra-Violet, by J. Romand,  
C. Bachet, R. Berneron.

\*BISI 2602

Vol LVIII, Dec 1961, pp 901-914.  
Contribution to the Study of the  
Effect of Nickel (up to 9%) on the  
Mechanical Properties of Steels at  
Low Temperature, by M. Kron, et al.

\*BISI 2690

Problems of Welding Titanium and Other  
Chemically Active Metals, by S. M. Gurevich,  
14 pp.

GERMAN, rpt, Fragen des Schweissens von  
Titan und Anderer Chemisch Aktiver Metalle,  
Presented at the 2nd International  
Colloquium on Weldability & Welding  
Metallurgy Held at Weimar, Germany,  
2-3 Mar 1961, 15 pp. 9675788

FTD-TT-61-251

Determination of Twin Stacking Fault  
Density in Cubic Phase Centred Metals,  
by M. Wilkens.

GERMAN, per, Acta Crystallographica,  
Vol XV, Part 2, 10 Feb 1962, pp 161-166.

\*BISI 2684

The Importance of Dislocations at the  
Crystal Boundaries of Tempered Martensite  
for the Mechanism of 'Temper Brittleness',  
by A. Masin.

GERMAN, per, Acta Metallurgica, Vol VII,  
Mar 1959, pp 226-228.

\*BISI 2655

Scientific  
Minerals/Metals (Contd)

Selected Articles From the German  
Periodical Archiv fuer Eisenhütten-  
wesen.

Vol XXVII, No 7, 1956, pp 475-486.  
Electrochemical Investigations on  
the Effect of Roll and Heat Scale on  
the Corrosion of Steel and on the  
Process of Pickling, by F. Wever.

CSIRO

Vol XXXI, 1960, pp 121-128.  
The Influence of Annealing Condi-  
tions and Alloy Composition on the  
Internal Oxidation of Iron Alloys,  
by H. Schenck, E. Schmidtman,  
H. Muller.

\*BISI 2675

Vol XXXII, May 1961, pp 331-336.  
A Simple Method for Recording Stress-  
Strain Curves of Steel at Room  
Temperature, by M. Reihle.

\*BISI 2633

Vol XXXII, 1961.  
The Exchange Effect of Al, V and N  
in Aluminium-Killed Weldable  
Structural Steels Alloyed With V  
and N and Containing About 0.2% C and  
1.5% Mn, by P. Konig, W. Scholz,  
H. Ulmer, (pp 541-556).

BISI 2501

Equilibrium of the Solubility of  
Hydrogen in Molten Pure Nickel and  
Iron and the Influence Brought  
About by Oxygen in the Iron, by  
H. Schenck, Wunsch, (p 779).

\*BISI 2668

Indication of Quality Characteristics  
of Low-C Steels by Damping Measurements,  
by W. Koster, (pp 809-822).

\*BISI 2685

The Influence of Chromium, Molybdenum,  
Tungsten and Vanadium on the Properties  
of Steels Containing 0.3% Carbon, by  
K. Bungardt, O. Mulders, G. Lennartz,  
(pp 823-841).

\*BISI 2677

Scientific  
Minerals/Metals (Contd)

Oxygen Refining of Unalloyed and Alloyed Steels in a Basic Arc Furnace, by R. Plessing.

GERMAN, per, Berg- und Huttenmanische Monatshefte, No 9, 1961, pp 341-351.

\*BISI 2631

Texture and Loss Problems in Silicon Iron, by D. Ganz.

GERMAN, per, Berichte der Arb Ferro, pp 59-65.

\*BISI 2676

Passivity and Corrosion of Metals, by J. J. Muller.

GERMAN, per, Kolloid Zeitschrift, Vol LXXXVI, 1939.

CSIRO

The Influence of Superheating of the Melt on the Structure and Tensile Properties of Alloyed Constructional Steel, by A. Scholberl, R. Mitsche.

GERMAN, per, Stahl und Eisen, Vol LVIII, May 1938, pp 546-549.

\*BISI 2688

Behavior of Steels With 11-20 Per Cent Chromium After Long-Time Heating in

475<sup>0</sup> C Embrittlement Range, by Ewald Baerlecken, H. Frabritius.

GERMAN, per, Stahl und Eisen, Vol LXXVIII, 1958, pp 1389-1395.

\*AEC UCRL Tr-700(L)

Tests Carried Out by Using Increased Cutting Speeds on Drawn as Well as on Subsequently Normalised Bars Made of O.H. Steels With Different Contents of Carbon and Lead, by A. Schepers, E. von Blumenstein.

GERMAN, per, Stahl und Eisen, Vol LXXXI, No 18, 31 Aug 1961, p 180.

\*BISI 2642

Synthetics - New Raw Materials - New Processes, by A. H. Henning, 11 pp.

GERMAN, per, VDI Zeitschrift, No 12, 103, 1961.

ACSI I-0745  
ID 2106160

Scientific  
Minerals/Metals (Contd)

A Rapid Complexometric Method for the Determination of Zinc in Copper Alloys, by R. Leo, L. Tauscher. GERMAN, per, Wissenschaftliche Z der Hochschule fur Schwermaschinenbau, Vol XI, Oct 1958, pp 219-223.

BISI 2506

The Electrical Resistance of Metallic Melts, Part VI, by Albert Roll, N. K. Anantha Swamy, 29 pp. GERMAN, per, Z fuer Metallkunde, Vol LII, No 2, 1961, pp 111-120.

Navy Tr 3114/NRL 886

The Preparation of Iron Ores With Particular Regard to the Mineralogical and Petrographic Structure, by W. K. Finn. ITALIAN, per, la Metallurgia Italia, Vol LI, Sep 1959, pp 407-417.

BISI 1977

Direct Spectrophotometric Analysis of Aluminum in Steel, by G. Picasso. ITALIAN, per, la Metallurgia Italia, Vol LIII, May 1961, pp 269-273, 276.

BISI 2527

Report on the Use of Dolomite as an Additive to Naphtha in the "Emilia" Thermo-Electric Power Station, by F. Cremonesi, G. Maranzana, P. Sturla. ITALIAN, per, La Termotecnica, Vol XIV, No 6, 1960, pp 275-280.

Dept of Interior  
TN7 E57 No 469

Determination of Moisture in Coal by the Karl Fischer Method, by Jataru Funasaka. JAPANESE, per, Kooru Taaru, Vol V, 1953, pp 51-52.

Dept of Interior  
TN7 E57 No 467

Scientific  
Minerals/Metals (Contd)

X-Ray Study of Sulfurized Layers on Steel, by A. Kathrein, Gh. Suceveanu. RUMANIAN, per, Studii si Cercetari de Metalurgie, Vol VI, No 2, 1961, pp 171-183.

HB 5429

Accuracy of Sampling of Ores With High Martite of Hydrohematite and Martite Content, for Different Percentages of Core-Sample Recovery, by S. N. Dokukin. UNKNOWN.

ILL M.4051



Scientific  
Nuclear Physics

On K-Meson Hyperon Resonance, by  
A. I. Baz, V. G. Vaks, A. I. Larkin.  
RUSSIAN, paper, Ordena Lenina Institut  
Atomnoi Energii, Ak Nauk SSSR, 1962.

\*AEC

Selected Articles From the Russian  
Report Conference Proceedings, Copenhagen,  
6-17 Sep 1960, Radioisotopes in the  
Physical Sciences and Industry, 1962.

\*AEC

Use of Nuclear Physical Methods in  
Prospecting and Working Oil and Gas  
Deposits, by G. N. Flerov, 4 pp,  
(pp 117-122).

Measurement of Coefficients of Cation  
Self-Diffusion in Silicate Melts by  
Means of Radioisotopes  $\text{Na}^{24}$ ,  $\text{K}^{42}$  and  
 $\text{Ca}^{45}$ , by V. I. Malkin, B. M. Mogutnov,  
10 pp, (pp 168-178).

Diffusion, Recrystallination and Phase  
Transformations, by S. Z. Bokshtein,  
M. A. Gubareva, et al, 14 pp,  
(pp 193-206).

The Determination of the Thermo-  
dynamic Activity of Antimony in  
Alpha-Iron, by I. A. Tomilin, 8 pp,  
(pp 225-233).

Study of the Diffusion and Solubility  
of Various Ingredients in Germanium,  
by E. G. Miselyuk, V. E. Kosenko,  
et al, 8 pp, (pp 287-294).

Radioisotopic Control of Wear on the  
Suspension Bearing of Large Turbo-  
generators, by Z. Frynta, F. Khol',  
V. Lopetskiy, 5 pp, (pp 381-385).

Scientific  
Nuclear Physics (Contd)

Concentration of Artificial Radioactive  
Isotopes of Groups IV and V by the  
Method of Recoil Atoms, by A. N. Murin,  
V. D. Nefedov, 6 pp.

RUSSIAN, bk, Primenenie Mechenykh  
Atomov v Anal Khim, imeni V. I.  
Vernadskogo, 1955, pp 75-78.

AEC UCRL Tr-552(L)

Selected Articles from the Russian  
Periodical Atomnaya Energiya.

JPRS 12578

Vol X, Feb 1961.

Measurement of the Radiative Capture  
Cross Section of Fast Neutrons, by  
 $I^{127}$ , by Yu. Ya. Stavitskiy,  
V. A. Tolstikov, V. N. Kononov, 7 pp,  
(pp 158-160).

Theory of Effective Cross Sections  
of Heavy Nuclei in the Region of  
Partial Overlap of Neutron  
Resonances, by A. A. Luk'yanov,  
V. V. Orlov, 9 pp, (pp 262-264).

Vol X, Mar 1961, pp 264-265.

Fast Neutron Capture Cross Sections  
for Niobium, Nickel, and Iron, by  
Yu. Ya. Stavitskiy, A. V. Shapar,  
5 pp.

Vol X, May 1961.

Radiative Capture Sections of Neutrons  
With Energies of 0.03--2 Mev BY  $Mn^{55}$ ,  
 $Cu^{65}$ ,  $Ba^{138}$ , and  $Th^{232}$  Isotopes, by  
Yu. Ya. Stavitskiy, V. A. Tolstikov,  
6 pp, (pp 508-511).

Passage of 0.5 and 1.0 Mev Neutrons  
Through Water and a Mixture of Water  
With Heavy Components, by V. I. Kukhtevich,  
B. I. Sinitsyn, 8 pp, (pp 511-513).

Scientific  
Nuclear Physics (Contd)

Selected Articles From the Russian  
Periodical Atomnaya Energiya. (Contd)

Vol XI, No 4, 1961.  
Atomic Science and Technology and  
Communist Construction, by  
V. S. Yemel'yanov, 19 pp, (pp 301-312).

JPRS 12667

The Interaction of Charged Particle  
Beams With Plasmas, by V. I. Kurilko,  
I. F. Kharchenko, V. D. Shapiro, 41 pp,  
(pp 313-335).

Magnetic Traps With Cusped Fields, by  
S. Yu. Luk'yanov, I. M. Todgornyy,  
18 pp, (pp 336-344).

The Future of Fast Reactors, by  
A. I. Leypunskiy, O. D. Kazachkovskiy,  
M. S. Pinkhasik, 21 pp, (pp 370-378).

Some Results and Perspectives of  
Isotope and Nuclear Radiation Use in  
Industry and Research in the USSR,  
by P. L. Gruzin, 29 pp, (pp 379-394).

A Review of Gosatomizdat Books for  
1960-1961, 26 pp, (pp 404-415).

Vol XI, No 6, 1961, pp 493-497.  
On Interaction of Intense Electron  
Beams With Plasma, by A. K. Berezin,  
Ya. B. Faynberg, G. P. Berezina,  
L. I. Solotin, V. G. Stupak.

\*FTD-TT-62-314

Vol XI, Jul 1961, pp 56, 57.  
Calculation of Neutron Cross  
Sections of Tungsten In the Optical  
Model of the Nucleus, by V. A. Tolstikov,  
V. Ye. Kolesov, V. S. Stavinskiy, 7 pp.

JPR. 1257~

Vol XI, Aug 1961, pp 164, 185.  
Magnitude of the Fast Neutron Flux  
Determining Radiation Damage of  
Materials, by H. N. Ponomarev-Stepnoy,  
5 pp.

JPRS 12578

Scientific  
Nuclear Physics (Contd)

Selected Articles From the Russian  
Periodical Atomnaya Energiya. (Contd)

Vol XI, Sep 1961, pp 251-255.  
Spatial Distribution of Fast Fission  
Neutrons in Iron, by V. P. Mashkovich,  
S. G. Tsypin, 12 pp.

JPRS 12578

Vol XI, Oct 1961.  
Elastic Scattering of 15-Mev  
Neutrons by Copper, Lead, and  $U^{238}$   
Nuclei, by V. Ya. Guzhovskiy, 6 pp,  
(pp 395, 396).

JPRS 12578

Measurement of the Cross Section for  
the Inelastic Interaction of 13--20  
Mev Neutrons With Certain Isotopes,  
by Yu. G. Degtyarev, V. G. Nadtochnyy,  
4 pp (pp 397, 398).

Inelastic Scattering of 14-Mev Neutrons  
of Nuclei of Sodium, Iron, Nickel,  
and Lead, by B. I. Sukhanov,  
V. G. Rukavishnikov, 4 pp, (pp 398, 399).

Vol XI, Nov 1961.  
Cross Sections in Inelastic Inter-  
action of Fission-Spectrum Neutrons,  
by G. N. Lovchikova, O. A. Sal'nikov,  
5 pp, (pp 442-444).

JPRS 12578

Effect of the Resonance Structure of  
Cross Sections on the Propagation of  
Fast Neutrons in Iron, by M. N. Nikolayev,  
V. V. Filippov, I. I. Bondarenko, 8 pp,  
(pp 445-447).

Vol XII, No 1, 1962, pp 56, 57.  
Study of a Group of Uranium Rods  
of the BR-5 Reactor, by A. P. Galkov,  
V. I. Ivanov, G. N. Smirenkin.

\*FTD-TT-62-376

Scientific  
Nuclear Physics (Contd)

The Series Nuclear Magnetometer PM-1,  
by A. I. Kudrevskiy, 8 pp.  
RUSSIAN, per, Geomagnetizm i Aeronomiya,  
Vol I, No 3, May-Jun 1961, pp 436-440.

JPRS 12757

Tables of Phase Volumes, by G. I. Kopylov.  
RUSSIAN, per, Joint Inst of Nuclear  
Research, Dubna, USSR, Rpt P-777.

\*AEC UCRL Tr-798

Resonance High Frequency Discharge in a  
Cyclotron, by B. A. Zager, V. G. Tishin.  
RUSSIAN, per, Joint Inst for Nuclear  
Research, Dubna, Lab of Nuclear Reactions,  
1961, Rpt P-811.

\*AEC

Eight-Litre Hydrogen-Deuterium Bubble  
Chamber in a Magnetic Field, by  
T. D. Blokhintseva, A. T. Vasilenko,  
V. G. Grebinnik.  
RUSSIAN, per, Joint Inst for Nuclear  
Research, Dubna, Lab of Nuclear Problems,  
Rpt P-848.

\*AEC

Method of Time-Duration Change of Inter-  
action of a Beam With a Target in a  
Synchrofasotrone to 10 Bev, by  
G. S. Kazanskiy, A. I. Mikhailov,  
K. P. Myznikov.  
RUSSIAN, per, Joint Inst for Nuclear  
Research, Dubna, Lab of High Energy,  
Rpt P-849.

\*AEC

Synchronization of the Bubble Chamber  
With the Synchrocyclotron, by M. P.  
Balandin, V. G. Grebinnik, G. I.  
Selivanov.  
RUSSIAN, per, Joint Inst for Nuclear  
Research, Dubna, Lab of Nuclear Problems,  
Rpt P-852.

\*AEC

Atomic Energy in the USSR, by  
Ya. A. Budagov, P. F. Yermolov,  
Ye. A. Kushnirenko, 3 pp.  
RUSSIAN, per, Zhur Eksper i Teoret  
Fiz, No 6, 1961, pp 1615.

ID 1452590

Scientific  
Nuclear Physics (Contd)

Periodic Report on Atomic Energy in  
USSR, by P. F. Korotkov, 13 pp.  
RUSSIAN, per, Zhur Prik Mekh i Tekh  
Fiz, No 3, May-Jun 1961, p 25.

AF 1490816

Five Years of Work at the Joint  
Institute of Nuclear Research, by  
D. I. Blokhintsev, 29 pp.  
CZECH, per, Jaderna Energie, Vol VII,  
No 8, 1961, pp 253-264.

JPRS 12812

Annular Cyclotron With Radial Sectors,  
by Miroslav Karmasin.  
CZECH, per, Jaderna Energie, No 8,  
1961, pp 265-271.

\*FTD-TT-62-285

Radio-Chemical Reactions in Nuclear  
Reactors, by J. Pucheault, M. Lefort,  
M. Haissinski, 17 pp.  
FRENCH, per, J de Chimie Physique,  
Vol XLIX, 1952, pp 286-293. 9095555

AEC Tr-4854

Artificial Radioactivity in Spring  
and River Water, by R. May,  
H. Schneider, 6 pp.  
GERMAN, per, Atomkernenergie, Vol V,  
1960, pp 333-335.

UKAEA  
Risley, DEG Inf Ser-275

Organic Substances as Reactor Moderators,  
by I. Kiss, I. Kosa-Somogyi, I. Szabo.  
GERMAN, per, Atomkernenergie, No 12,  
1961, pp 905-912.

\*FTD-TT-62-439

The Peaceful Use of Nuclear Bombs in  
Civil Engineering, by Th. Ginsburg,  
41 pp.  
GERMAN, np, Neue Zurcher Zeitung,  
No 176, 29 Jun 1961, pp 18-21. 9084355

AEC UCRL Tr-717(L)

Fission Product Diffusion and Self  
Diffusion in High Temperature Nuclear  
Fuels, by Roland Lindner, Hans J. Matzka,  
Franz Schmitz.  
GERMAN, per, Z Elektrochem, Vol LXIV,  
1960, pp 1042-1045.

\*AEC

Scientific  
Nuclear Physics (Contd)

On Molecular and Atom Volumes 25<sup>1</sup>;  
on Space Requirements of Crystallized  
Organic Substances at Low Temperatures,  
by W. Blitz, et al.

GERMAN, per, Z fuer Physikalische  
Chemie, Vol CLI, 1930, pp 13-55.

CSIRO

Research at the Krakow Nuclear Physics  
~~Institute~~, by Henryk Niewodniczanski,  
21 pp.

POLISH, per, Nauka Polska, Vol IX,  
No 4 (36), Oct-Dec 1961, pp 123-138.

JPRS 12916

Nuclear Energy in Explosive Mining  
Works, by K. K. Ponomarev.

POLISH, per, Przeglad Gorniczy,  
Vol XVII, 1961, pp 209-214.

\*AEC UCRL Tr-768(L)

High Energy Propellants, 3 pp.  
POLISH, per, Skrzydlatą Polska,  
17 Dec 1961, OAIRA, Warsaw.

ID 1499560

Scientific  
Physics

Propagation of Electromagnetic  
Waves in Plasma, by V. L. Ginzburg,  
900 pp.  
RUSSIAN, bk.

Gordon & Breach

Photoproduction and Scattering of  
 $\pi$ -Mesons, by N. F. Nelipa, 100 pp.  
RUSSIAN, bk.

Gordon & Breach

Studies in the Field of Surface Forces;  
Collection of Reports of the Conference  
on Surface Forces, Held in April 1960.  
RUSSIAN, bk, Issledovaniya v Oblasti  
Poverkhnostnykh Sil; Sbornik Dokladov na  
Konferentsii po Poverkhnostnym Silam,  
April' 1960 g; Izd-vo AN SSSR, 1961,  
pp 11-16, 48-54, 83-88, 197-219, 222-231.

\*FTD-TT 62-429

Calculation of the Total Reaction Rate  
and the Velocity of Flame Propagation  
in Gas Mixture, by O. A. Tsukhanova.  
RUSSIAN, bk, Issledovaniya Protssessov Goren-  
iya. AN SSSR, Energeticheskiy Institut  
imeni G. M. Krzhizhanovskogo, Sbornik  
Statey po Rabotam Vypolennym v Energet-  
icheskom Institute, 1958, pp 81-90.

\*FTD-TT-62-270

Methods of Analysis by Flame Photo-  
metry, by N. S. Poluektov.  
RUSSIAN, bk, Metody Analiza po  
Fotometrii Plameni, 1959, 230 pp.

CB

Migration of Energy, by V. N. Tarusov,  
13 pp.  
RUSSIAN, bk, Osnovy Biofiziki i  
Biofizicheskoy Khim, Part I, 1960,  
pp 26-39.

JPRS 12602

Activities in Biophysics and Cyberne-  
tics, 6 pp.  
RUSSIAN, bk, Problemy Kibernetiki,  
No 6, 1961, pp 298-302.

JPRS 12610



Scientific  
Physics (Contd)

Radiation Protection - Handbook, by  
L. A. Tiunov, Vasil'ev, et al, 172 pp.  
RUSSIAN, bk, Protivoluchevye Sredstva,  
1961.

\*AEC

Some Problems in the Physics of Metal  
Failure, Chapter V, by P. O. Pashkov,  
67 pp.  
RUSSIAN, bk, Razryv Metallov, 1960,  
pp 135-184. 9675790

FTD-TT-61-285

The Effect of Inert Gases on the  
Oxidation Process in a Field of Ultrasonic  
Waves, by I. E. El'piner, A. V. Sokol'skaya,  
20 pp.  
RUSSIAN, bk, Rol'perekisey i Kisloroda  
v Nachal'nykh Stadiakh Radiobiologicheskogo  
Effekta, 1960, pp 105-115.

JPRS 12465

Selected Articles From the Russian  
Paper Tezisy Dokladov i Soobshcheniy  
na Soveshchaniy po Teplo i Massoobmenu,  
Minsk, 5/9 Jun 1961, AN Belorusskoy SSR.

The Aerodynamics of Rarefied Gases,  
and Heat-Transfer Problems, by  
A. S. Predvoditelev, 18 pp. 9675784

FTD-TT-62-54

Convection Heat Transfer in a Vor-  
tex Flow Under Pressure, by  
G. N. Delyagin, 14 pp. 9664287

FTD-TT-62-58

The Influence of Channel Geometry  
on Critical Thermal Loads With  
Forced Flow of Water, by  
B. A. Zenkevich, O. V. Remizov,  
V. I. Subbotin, 13 pp. 9664295

FTD-TT-62-62

The Law of Resistance in the Turbu-  
lent Flow of a Compressible Gas,  
and a Method for Calculating Friction  
and Heat Transfer, by S. S. Kutateladze,  
A. I. Leont'yev, 17 pp. 9675783

FTD-TT-62-63

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Paper Tezisy Dokladov i Soobshcheniy  
na Soveshchaniy po Teplo i Massoobmenu,  
Minsk, 5/9 Jun 1961, AN Belorusskoy SSR.  
(Contd)

Heat Problems of the Boundary Layer  
With Heterogeneous and Diffusion Burning,  
by L. Yu. Artyukh, L. A. Vulis,  
V. P. Kashkarov, 16 pp. 9675782

FTD-TT-62-64

Mass and Energy Transfer, by P. K.  
Konakov, 10 pp. 9675781

FTD-TT-62-65

The Thermal Conductivity of a Fluidized  
Bed, by A. K. Bondareva, O. M. Todes,  
10 pp. 9675780

FTD-TT-62-66

The Theory of Phase Conversions in  
a Vacuum, by K. P. Shumskiy, 13 pp.  
9675779

FTD-TT-62-67

A Method of Determining the Thermo-  
physical Constants of Materials at  
High Temperatures, by G. N. Tret'yachenko,  
L. V. Kravchuk, 14 pp. 9675860

FTD-TT-62-68

A Method for Studying Heat Transfer  
in an Intermittent Gasdynamic Process,  
by Yu. A. Polyakov, Ye. A. Mit'kina,  
14 pp. 9675863

FTD-TT-62-69

On Accoustic Phenomena During Spin  
Detonations, by R. I. Soloukhin,  
M. Ye. Topchiyan.  
RUSSIAN, bk, v Sbornik 3-a Vses Sovesh-  
chaniye po Teorii Goreniya T.I.; Moscow,  
1960, pp 169-174.

\*FTD-TT-62-320

Ignition in a Flow, by S. A. Gol'denberg.  
RUSSIAN, bk, v Sbornik 3-e Vses Sovesh-  
chaniye po Teorii Goreniya, Vol II,  
1960, pp 228-237.

\*FTD-TT-62-419

Scientific  
Physics (Contd)

Questions of Physics of the Atmosphere,  
by N. S. Shishkin, 140 pp.  
RUSSIAN, bk, Voprosy Fiziki Atmosfery.

Amer Meteorol Soc

Problems of Heat Transfer, by  
M. A. Mikheyev.  
RUSSIAN, bk, Voprosy Teploobmena,  
1959, 246 pp.

AEC Tr-4511

Tables for Calculation of Thickness of  
Glass for Shielding From a Broad Beam  
of Gamma-Rays, by L. M. Mikhaylov,  
Z. S. Aref'yeva.  
RUSSIAN, per, Atom Energ, Vol XII,  
No 1, 1962, pp 58-62.

\*FTD-TT-62-416

Pontryagin's Maximality Principle and  
Optimal Rocket Thrust Programming,  
by V. K. Isayev, 22 pp.  
RUSSIAN, per, Avtomatika i Telemekh,  
Vol XXII, No 8, 1961, pp 986-1001.

JPRS 12528

Addendum to the Paper "L.S. Pontryagin's  
Maximum Principle and Optimum Program-  
ming of Rocket Thrust, 3 pp.  
RUSSIAN, per, Avtomatika i Telemekhanika,  
Vol XXIII, No 1, 1962, p 127.

JPRS 12528

Selected Articles From the Russian  
Periodical Dok Ak Nauk SSSR.

Vol CXXXVI, No 5, 1961, pp 1142-1145.  
9664291

FTD-TT-61-348

Stability of Detonation Waves in a  
Gaseous Mixture, by R. M. Zaydel,  
8 pp.

Vol CXL, No 1, Sep 1961, pp 77-80.  
Similarity Type Relativistic Mo-  
tions in a Case of Point Symmetry,  
by K. P. Stanyukovich, 7 pp.

JPRS 12787

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Dok Ak Nauk SSSR, (Contd)

Vol CXL, No 4, 1961, pp 942-945.  
Light Absorption of Deoxyribonucleic  
Acid Solution Orientated in an Electric  
Field, by G. A. Dvorkin, V. I. Krinskiy,  
8 pp.

JPRS 12370

Vol CXLI, No 1, 1961.  
Emission of Positive Molecular Ions  
From Hot Surface in a Vacuum, by  
E. Ya. Zandberg, I. I. Ionov.

\*FTD-TT-62-297

Vol CXLI, No 2, 1961, pp 330-333.  
On a Stabilized Flow of a Conducting  
Fluid in a Rectangular Tube Having  
Two Conducting and Two Nonconducting  
Walls and Placed in an External Magnetic  
Field, by G. A. Grinberg.

\*FTD-TT-62-298

On the Problem of Determining the Shape  
of a Shock Wave When Thin Bodies Are  
Streamlined by Gas, by A. M. Antonov,  
M. M. Sidlyar.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayinskoyi  
RSR, No 12, 1961, pp 1556-1560.

\*FTD-TT-62-299

The Collision Integral for Charged  
Particles in a Magnetic Field, by  
V. M. Yeleonskiy, V. M. Zyryanov,  
V. P. Silin.

RUSSIAN, per, Fiz Metal i Metallov,  
Vol XI, No 6, 1961, pp 955-957.

\*FTD-TT-62-378

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Inzhenerno-Fiz Zhur.

Vol I, No 10, 1958, pp 29-37.

Determination of the Thermal Coefficients  
of Friable and Solid Substances by the  
Method of Plane Thermal Waves, by  
E. M. Kravchuk, 13 pp.

Navy Tr 3113/NRL 885

Vol II, No 5, 1959, pp 28-35.

Crystalline Fracture as a Criterion  
of Brittleness of Steels, by P. M. Dontsov  
8 pp.

UKAEA  
Risley, DEG Inf Ser 107

Vol IV, No 1, 1961. 9675791

The Rates of Chemical Reactions in  
Turbulent Flows, by A. S. Predvoditelev,  
11 pp, (pp 14-21).

FTD-TT-61-158

Effect of Enthalpy Recovery on the  
Surface of a Cylinder Past Which  
Flows a High-Velocity Gas Stream,  
by Ye. V. Shishov, 10 pp, (pp 37-43).

Vol IV, No 2, 1961.

Heat and Mass Exchange in the Evapora-  
tion of a Liquid in a Forced Gas Jet,  
by G. T. Sergeyev, (pp 77-81).

\*FTD-TT-62-327

The Contemporary State of the Ques-  
tion of Heat Exchange in Rarefied Gases,  
by A. N. Devoyno, 17 pp, (pp 119-130).  
9675853

FTD-TT-61-202

Vol IV, No 3, 1961. 9664292

Calculation of Heat Transfer During  
Laminar Flow of a Fluid in Pipes With-  
in a Range of Small Peclet Numbers,  
by B. S. Petukhov, F. F. Tsvetkov,  
11 pp, (pp 10-17).

FTD-TT-61-321

Flow Past a Plate by a Gas Burning  
on Its Surface, by L. Yu. Artyukh,  
L. A. Vulis, V. P. Kashkarov,  
11 pp, (pp 39-45).

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Inzhenerno-Fiz Zhur. (Contd)

Vol IV, No 4, 1961, pp 16-24.

9097021

The Calculation of Thermodynamic Functions of a High-Temperature Air/Carbon Mixture, by V. L. Sergeyev, 14 pp.

AEC NP Tr-812

Vol IV, No 5, 1961, pp 33-37.

Study of the External Heat and Mass Transport in the Evaporation of a Liquid From a Capillary-Porous Body, by G. T. Sergeyev.

\*FTD-TT-62-329

Vol IV, No 6, 1961.

Resistance and Heat Transfer in a Turbulent Boundary Layer of a Compressed Gas and the Calculation of Friction and Heat Transfer, by S. S. Kutateladze, A. I. Leont'yev, (pp 33-41).

\*FTD-TT-62-330

Solution of Various Three-Dimensional Problems of Radiant Heat Transfer by Reducing Them to Two-Dimensional Problems, by I. R. Mikk, I. P. Epik, (pp 90-100).

Vol IV, No 7, 1961, pp 124-136.

First All-Union Conferences on Heat and Mass-Exchange, by I. P. El'perin, 27 pp.

JPRS 12845

Vol IV, No 9, 1961, pp 12-16. 9675775

Method of Investigating Boundary Layer in a Few Type Working Section, by A. M. Mkhitarian, V. S. Maksimov, V. Ya. Fridland, 6 pp.

FTD-TT-61-383

Scientific  
Physics (Contd)

Torsion of Anisotropic Prismatic Rods  
With a Cross Section in the Form of an  
Extended Airfoil Section, by

V. S. Sarkisyan.

RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR,  
Ser Fiz-Matemat Nauk, Vol XIV, No 2, 1961,  
pp 45-70.

\*FTD-TT-62-384

Ionization Losses and the Capture of Slow,  
Heavy, Negative Particles, by

I. I. Gol'dman, 9 pp.

RUSSIAN, per, Iz Ak Nauk Armyanskoy SSSR,  
Ser Fiz-Matemat Nauk, Vol XIV, No 1, 1961,  
pp 79-86. 9664290

FTD-TT-61-350

Evaluating the Critical Load of a Circular,  
Coneshaped Shell, by P. Muurseep.

RUSSIAN, per, Iz Ak Nauk Estonskoy SSR,  
Ser Fiz-Matemat i Tekh Nauk, No 1, 1961,  
pp 28-32.

\*FTD-TT-62-372

Selected Articles From the Russian  
Periodical Iz Ak Nauk Latvyskoy SSR.

No 1, 1961, pp 59-66. 9664283  
The Effect of a Transverse Magnetic  
Field on Internal Structure and Hy-  
draulic Resistance in Turbulent Flows  
of Liquid Metals, by H. Branover,  
O. Lielausis, 11 pp.

FTD-TT-61-281

No 2, 1961, pp 89-93.  
Generalization of the Fundamentals  
of the Theory of Plasticity, by  
A. Malmeyster.

\*FTD-TT-62-381

No 6 (167), 1961, pp 43-49.  
Experimental Study of the Temperature  
Dependence of Thermo-emf and of Resist-  
ivity of Manganese-Zinc Ferrites, by  
S. Varczenya.

\*FTD-TT-62-396

No 12 (173), 1961, pp 19-24.  
The Region of Applicability of the  
Exponential Law in the Determination  
of Reliability, by L. Leontyev, 6 pp.

JPRS 13107

Scientific  
Physics (Contd)

An Investigation Into the Thermocatalytic Principle of Methane Detection in a Mine Atmosphere, by E. F. Karpov, U. S. Kravchenko.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Metal i Topliv, No 5, 1959, pp 174-178.

NLL M.3276

Testing of Thick-Walled Tubes Under High Short-Duration, Internal Pressures, by P. J. Ogibalov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, pp 134-139.

\*ACSI I-0962  
ID 2191521

The Dynamics of Continuous Optimizing Control Systems Based on the Gradient Method, by A. A. Krasovskiy, 13 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, May/Jun 1959, pp 43-49.

JPRS 12984

Selected Articles From the Russian Periodical Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash.

No 3, 1959, pp 133-136. 9097016  
Propagation of Unidimensional Waves in Materials With Delayed Yielding, by V. S. Lenskiy, L. N. Fomina, 10 pp.

AEC UCRL Tr-729

No 4, 1960, pp 166, 167.  
One Dimensional Flow of an Electrically Conducting Gas With Constant Velocity in a Running Magnetic Field, by Ye. I. Yantovskiy.

\*FTD-TT-62-331

No 2, 1961, pp 117-119.  
Influence of a Magnetic Field on the Flow of an Electrically Conducting Gas in a Plane Tube in the Presence of Heat Exchange Through the Walls, by E. P. Zimin.

\*FTD-TT-62-333



Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Mekh i Mash. (Contd)

No 4, 1961, pp 10-13. 9664308  
Homogeneous Plasma Turbulence in  
a Strong Magnetic Field, by  
M. M. Prudnikov, 8 pp.

FTD-TT-61-93

No 6, 1961, pp 26-32.  
On Riemann Waves, by N. V. Saltanov,  
V. S. Tkalich.

\*FTD-TT-62-354

Quantitative Spectral Analysis of  
Polymers in the Infra-Red Region, by  
V. N. Kikitin.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz,  
Vol XVII, No 5, 1953, pp 644-648.

CSIRO

Experimental Study of the Possibility  
of Producing Multicomponent Electrolumines-  
cence Apparatus Using Ferroelectric Ma-  
terials, by I. Ya. Lyamichev, I. N. Orlov,  
G. G. Pershin, N. I. Taborko.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz,  
Vol XXV, No 4, 1961, pp 492-500.

\*FTD-TT-62-305

The Solution of an Axially Symmetrical  
Problem of the Theory of Elasticity by  
the Method of Electro-Modelling in the  
Case of the Action of Centrifugal Forces  
and Temperature Fields, by A. L. Kvitka,  
V. A. Agarev, E. S. Umanski.  
RUSSIAN, per, Iz Kievsk Politekhn In-ta,  
Vol XIX, 1956, pp 455-461.

TIL/T5242

The Motion of a Rocket Along a Three-  
Point Curve With Constant Tangential  
Acceleration, by I. F. Vereshchagin.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Aviats Tekh, No 2, 1961, pp 35-46.

\*FTD-TT-62-477

Scientific  
Physics (Contd)

Utilization of Doppler Effect for the Study of Processes in a Gaseous-Discharge Plasma, by E. V. Zagoryanskaya, P. S. Kireyev.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 4, 1961, pp 163-167.

\*FTD-TT-62-323

Diamagnetic Properties of Plasma Excited in Argon and Neon, by D. A. Pulin, V. G. Stepanov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 5, 1961, pp 26-29.

\*FTD-TT-62-324

Radioactive Isotopes in the Earth's Crust, by A. K. Lavrukhina, 21 pp.  
RUSSIAN, per, Khim Nauka i Prom, Vol IV, 1959, pp 472-478.

AEC Tr-4851

On the Compressibility of Liquids and Solids at Very High Pressures, by P. V. Matorin.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Fiz-Matemat Nauk, No 3, 1959, pp 141-144.

\*AEC UCRL Tr-794(L)

Quantum Radiophysics, by N. G. Basov, A. M. Prokhorov, 16 pp.  
RUSSIAN, per, Nov Prob Fiz, Vol IX, No 7, 1961, pp 33-45. 9675772

FTD-TT-61-452

Pulse Source of Multicharge Ions With Magnetic Beam Separation, by L. I. Bolotin, P. S. Markin, S. I. Meleshkov.  
RUSSIAN, per, Pribery i Tekh Eksper, No 6, Nov/Dec 1961, pp 86-88.

\*FTD-TT-62-418

Connection Between the Catalytic Activity and Semiconductor Properties of Germanium, by V. L. Kuchayev, G. K. Boreskov, 4 pp.  
RUSSIAN, per, Problemy Kinetiki i Kataliza Fiz i Fiz Khim Kataliza, No 10, 1960, pp 108-110. 9095550

AEC Tr-4857

Scientific  
Physics (Contd)

Apparatus for the Measurement and  
Recording of the Viscosity of Silicate  
Melts, by R. A. Lipman.  
RUSSIAN, per, Steklo i Keramika,  
Vol XVI, No 2, 1959, pp 18-21.

NLL M.4038

Effect of Gamma-Irradiation on Certain  
Properties of Conducting Films, by  
O. K. Vorobyeva.  
RUSSIAN, per, Steklo i Kermaika, No 1,  
1962, p 4.

\*FTD 62-414

Some Problems of Heat Exchange and Frictional  
Resistance in Turbulent Flows,  
by S. Kutateladze.  
RUSSIAN, per, Teploenergetika, No 7,  
1956, pp 40-45.

\*AEC

Heat Transfer and Hydraulic Resistance  
During Helical Motion of a Fluid in a  
Tube, by M. Kh. Ibragimov,  
Ye. V. Nomofilov, V. I. Subbotin.  
RUSSIAN, per, Teploenergetika, No 7,  
1961, pp 57-60.

\*FTD-TT-62-315

Results of Seismic Observations During  
Underground and Trotyl Explosions, by  
I. P. Pasechnik, S. D. Kogan,  
D. D. Sultanov.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst  
Fiz Zemli, No 15, 1960, pp 3-52.

\*AEC

Seismic Magnitudes of Underground Nuclear  
Explosions, by I. V. Ryznichenko.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst  
Fiz Zemli, No 15, 1960, pp 53-87.

\*AEC

The Wave Equation for a Non-Uniform  
Medium, by S. L. Sobolev.  
RUSSIAN, per, Trudy Ak Nauk SSSR,  
Seismologicheskii Inst, No 6, 1930,  
pp 1-57.

\*AEC

Scientific  
Physics (Contd)

On the Problem of Integration of the  
Wave Equation in a Non-Uniform Medium,  
by S. L. Sobolev.

RUSSIAN, per, Trudy Ak Nauk SSSR,  
Seismologicheskii Inst, 1933, pp 1-26.

\*AEC UCRL Tr-799(L)

On the Study of Seismic Effect of Power-  
ful Explosions, by L. A. Utkin.

RUSSIAN, per, Trudy Ak Nauk Ural Filial,  
Gorno-Geolog Inst, Vol LIV, pp 125-130.

\*AEC

Isotopic Molecules of the Basic Products  
of Combustion and Gasification of Fuels,  
by I. G. Petrenko, 11 pp.

RUSSIAN, per, Trudy Inst Goryuchikh  
Iskopayemykh, Vol XI, 1959, pp 30-38.  
9097023

AEC NP Tr-808

Investigation of Fuel Cells With Solid  
Electrolytes, by V. S. Daniel-bek,  
et al.

RUSSIAN, per, Trudy 4-go Soveshch Elektro-  
khim Ak Nauk SSSR, Otdel Khim Nauk, 1956,  
pp 794-800.

ATS RJ-2694

Unsteady Oscillations of Nonlinear  
Systems With Gyroscopic Terms in Considera-  
tion of the Connection With an Energy Source  
of Low Productivity, by V. A. Grobov.

RUSSIAN, per, Ukrain Matemat Zhur,  
Vol XIII, No 2, 1961, pp 220-223.

\*FTD-TT-62-472

Selected Articles From the Russian  
Periodical Uspekhi Fiz Nauk, Vol LXXIV,  
1961.

AIP  
Sov Phys - Uspekhi  
Vol IV, No 4

Cosmic Rays on Earth and in the Univ-  
erse, by V. L. Ginzburg, 23 pp,  
(pp 521-552).

Electron Interference and Phase  
Microscopy, by V. I. Milyutin, 8 pp,  
(pp 553-).

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Uspekhi Fiz Nauk, Vol LXXIV,  
1961.

AIP  
Sov Phys - Uspekhi  
Vol IV, No 4

Spectroscopic Studies of Benzene,  
by V. L. Broude, 23 pp, (p 577).

Local Invariance and the Theory of  
Compensating Fields, by V. B.  
Adamskiy, 10 pp, (p 609).

Methods of Measuring Dielectric Con-  
stants of Substances at Microwave  
Frequencies, by V. P. Shestopalov,  
K. P. Yatsuk, 20 pp, (p 721-).

High Resolving Mass-Spectrometer,  
by N. E. Alekseyevskiy, 4 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR,  
No 6, 1958, pp 67-69.

AEC NP Tr-791

The Co-Efficient of Resistance of a  
Solid-Particle in a Gas Flow, by  
S. S. Zaborskiy.  
RUSSIAN, per, Vest Ak Nauk, Ser Fiz  
Tekh Nauk BSSR, Vol IV, pp 39-50.

TIL/T5196

Electromagnetic Dipole Method for  
Determining the Depth of an Embedded  
Layer of Finite Conductivity, by  
G. V. Molochnov (Molochnov), 16 pp.  
RUSSIAN, per, Vest Leningrad U, No 10,  
1960, pp 34-44.

Navy Tr 3040/NRL 880

Supersonic Flow Around Axialsymmetric  
Blunt Bodies With a Detached Shock  
Wave, by F. V. Shugayev.  
RUSSIAN, per, Vest Ser I, Matemat,  
Mekh, No 2, 1961, pp 46-53.

\*FTD-TT-62-351

Kinetic Equation in the Case of Coulomb  
Interaction, by L. D. Landau, 9 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol VII, No 2, 1937, pp 203-209. 9097694

ACSIL No 1222

Scientific  
Physics (Contd)

Irregular Conditions of Oblique Collision of Shock Waves in Solid Bodies, by L. V. Altshuler, S. B. Kormer, A. A. Bakanova, et al.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLI, No 5, 1961, pp 1382-1393.

\*FTD-TT-62-374

Selected Articles From the Russian Periodical Zhur Fiz Khim.

Vol XXX, No 10, 1956, pp 2251.  
9095557

AEC Tr-4862

The Heats of Formation of Titanium Silicides, by Yu. M. Golutvin, 12 pp.

Vol XXXII, No 7, 1958, pp 1622-1631.  
9095541

AEC Tr-4856

Effect of Surface-Active Substances on the Diffusion Rate of Electrolytic Hydrogen Through Iron, by A. I. Oshe, 12 pp.

Vol XXXVI, No 1, 1962.  
Concerning the Higher Peroxide of Hydrogen and Frozen Radicals, by I. I. Skorokhov, V. B. Golubev, L. I. Nekrasov, (pp 93-97).

\*FTD-TT-62-375

Thermodynamic Functions of Mono- and Di-Atomic Metals in the State of Ideal Gases Up to 10,000 K, by I. V. Gurvich, V. A. Kvividze, N. P. Rtishcheva, (pp 219-222).

\*FTD-TT-62-415

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Zhur Prik Mekh i Tekh  
Fiz.

No 4, 1960.

On Directional Throw-Out of Ground  
With the Help of He, by V. M. Kuznetsov,  
et al, (pp 49-50).

\*AEC

Cinemotography of the Study of Under-  
Ground Explosions, by L. K. Belopukhov,  
(pp 51-54).

\*AEC UCRL Tr-806(L)

No 1, 1961, pp 3-9. 9664296  
The Motion of a Plasma Flow in a  
Tube in the Presence of External  
Electrical and Magnetic Fields, by  
V. M. Sarychev, 11 pp.

FTD-TT-62-43

No 6, Nov/Dec 1961.

On the Behavior of Some Plasma  
States With an Anisotropic Distribu-  
tion of Velocities in a Magnetic Field,  
by G. M. Zaslavskiy, S. S. Moiseyev-  
Novosibirsk, (pp 24-28).

\*FTD-TT-62-338

Study of Operation of Plasmation  
With an Air Stabilization of the  
Arc, by G. Yu. Dantov, M. F. Zhukov,  
V. Ya. Smolyakov, (pp 29-35).

Selected Articles From the Russian  
Periodical Zhur Tekh Fiz.

Vol XXV, No 9, 1955.

Diffraction Light Modulator, by  
A. M. Bonch-Bruevich, V. A. Molchanov,  
7 pp, (pp 1653-1658). 9095535

AEC UCRL Tr-733

Some Problems of Phase Measurements,  
by A. M. Bonch-Bruevich, V. I. Shirokov,  
26 pp, (pp 1825-1842). 9095537

AEC UCRL Tr-734

Scientific  
Physics (Contd)

Selected Articles From the Russian  
Periodical Zhur Tekh Fiz. (Contd)

Vol XXXI, No 11, 1961, pp 1294-1297.

9664301

A Plasma Source for a High Vacuum,  
by B. P. Kononov, K. A. Sarksyen,  
7 pp.

FTD-TT-61-400

Vol XXXI, No 12, 1961.

On the Importance of the Emission  
Channel for Ion Source, by S. N. Popov,  
(pp 1431-1438).

\*FTD-TT-62-435

Local Redistribution of Total Energy  
in the Boundary Layer of a Compressed  
Gas Near the Surface of Burning Solid,  
by L. A. Vulis, V. P. Kashmarov,  
12 pp, (pp 1477-1484).

JPRS 12962

Vol XXXII, No 2, 1962.

Study of Stationary Plasma States  
in a Kinetic Approximation, by  
N. N. Komarov, V. M. Fadeyev,  
(pp 133-138).

\*FTD-TT-62-413

On Anodes of Thermoelectronic Energy  
Converters, by V. G. Bolshov,  
A. A. Zharinov, (pp 214-219).

A Method of Recording and Reproducing  
Optical Images, by D. A. Novik.  
RUSSIAN, Patent Number 132,663,  
May 1957.

\*FTD-TT-62-440

A Mass Spectrometer, by A. S. Bryukhanov,  
V. N. Golub.  
RUSSIAN, Patent No 139,478.

\*FTD-TT-62-369

Some Characteristics of High-Frequency  
Ion Sources, by Kou-Yu, 7 pp.  
CHINESE, per Wu Li Hsueh Pao, Vol XVI,  
No 2, 1960, pp 107-110.

FTD-TT-61-169



Scientific  
Physics (Contd)

Study of Radioactive Decay  $Tm^{168}$ , by  
V. Brabec, B. Kracik, M. Vobecky,  
3 pp.  
CZECH, per, Czechoslov J Phys, Vol X,  
1960, pp 969-970.

AEC Tr-4858

The Determination of Optical Constants  
From Light Absorption Measurements on  
Thin Metal Films, by C. F. Veenemans,  
34 pp.  
DUTCH, per, Archives Neerlandaises des  
Sciences Exactas et Naturelles, Vol XIV,  
1933, pp 84-117. 9097015

AEC UCRL Tr-728(L)

General Features of the Project Rapsodie,  
27 pp.  
FRENCH, rpt, Vue d'Ensemble sur le Project  
Rapsodie, Jun 1960.

AEC Tr-4550

Periodicity Test. Generalization of  
the Schuster Test in the Case of Temporal  
Autocorrelated Series, by Maurice Allais,  
4 pp.  
FRENCH, per, Comptes Rendus, Vol CCXLIV,  
No 20, 13 May 1957, pp 2469-2471.  
9097019

AEC SCL-T-388

Fluorescence, by E. Laffitte,  
C. Pujuls.  
FRENCH, per, Comptes Rendus Academie  
des Sciences, Vol CCLII, 13 Feb 1961,  
pp 1008-1010.

\*AEC UCRL Tr-781(L)

Stability of Explosives, by P. Aubertein,  
23 pp.  
FRENCH, per, Memorial des Poudres, Vol XLI,  
1959, pp 111-125. 9095576

AEC AWRE Tr-24

Deflection Measurements on Flexible Roads,  
by G. Franck, 31 pp.  
FRENCH, per, Revue Generale des Routes,  
Vol XCVII, No 311, Dec 1957, pp 75-88.

CSIR 187

Scientific  
Physics (Contd)

Detection of w-Energy Beta Rays. II,  
by Brooke, E. R. Schayes.  
FRENCH, per, Revue M.B.L.E., Vol IV,  
No 4, 1961, pp 222-249.

\*AEC

Heterochromatic Photometry, by  
M. J. Terrien, 5 pp.  
FRENCH, per, Societe Francaise des  
Electriciens, Vol I, No 10, 1960.

CSIR 194

The Use of the Echelon Filters for  
the Making of Sensitometric Curves,  
by L. D'Or.  
FRENCH, per, Societe Royale des Sciences  
Liege Bulletin 18, 1949, pp 108-112.

\*AEC UCRL Tr-793(L)

Mass-Spectrometer Studies of Ion  
Emission and Ion Distribution in  
Gas Discharge Plasmas, by O. Reifenschweiler,  
6 pp.  
GERMAN, rpt, Proceedings of the Fourth  
International Conference on Ionization  
Phenomena in Gases Uppsala, 17th/21 Aug 1959,  
pp 541-548. 9097017.

AERE, Harwell Tr-872

The Statistical Theory of Compressed  
Atoms, by P. Gombas, 36 pp.  
GERMAN, per, Acta Physica Hungaricae,  
Vol VIII, 1958, pp 321-358. 9095538

AEC UCRL Tr-722(L)

Theory of the Diffraction of Electro-  
magnetic Waves at a Completely Conducting  
Circular Disk and Associated Problems,  
by J. Meixner.  
GERMAN, per, Annalen der Physik, Vol VI,  
No 12, 1953, pp 227-236.

\*AFCRL Res Lib

Stresses in Deformation Zone in Drawing  
of Bars Under Plane Strain Conditions,  
by O. Pawelski.  
GERMAN, per, Archiv fuer Eisenhuettenwesen,  
Vol XXXII, Aug 1961, pp 513-520.

BISI 2499

Scientific  
Physics (Contd)

Selected Articles From the German  
Periodical Atomkernenergie.

Vol V, No 6, 1960, pp 209-217.

9095536

Theoretical Studies on Strong  
Spherico-Symmetrical Convergent  
Compression Shocks in Deuterium Gas,  
by H. Volcker, 23 pp.

AEC UCRL TR-730(L)

No 9, 1961, pp 685-687. 9675858  
Concerning the Discovery of the  
Principle of the Pulse Reactor, by  
K. Fuchs, 6 pp.

FTD-TT-62-30

No 11, 1961. 9675770.  
Design Proposals for Chemonuclear  
Reactors, by W. Gaur-Heidelberg,  
28 pp, (pp 425-433).

FTD-TT-62-31

On the Weight Economy Measures in  
Layer Shielding, by E. Beynam-Bremen,  
5 pp, (pp 443, 444).

Determination of Dynamic Temperature  
Quantities, by Rudi Kautsch, 10 pp.  
GERMAN, per, Automatisierung, Vol IV,  
No 7, 1961, pp 277-280.

JPRS 12865

State Changes in Isothermal Argon  
Plasma, by F. Kuemmel.  
GERMAN, per, Beitrage Aus der Plasma  
Physik, Vol I, No 4, 1960/1961,  
pp 236-244.

\*FTD-TT-62-438

On the Limits of X-Ray Film Sensitivity,  
by J. Franzen, 13 pp.  
GERMAN, per, Fortschritte auf dem Gebiete  
der Rontgenstrahlen, Vol XCIV, No 3, 1961,  
pp 409-420. 9095566

AEC NP Tr-813

Scientific  
Physics (Contd)

Investigation of Surface Processes  
With Radioactivity, by H. Frauenfelder.  
GERMAN, per, Helvetica Physica Acta,  
Vol XXIII, No 4, 1950, pp 347-380.

\*AEC

A Photomultiplier With a Sb-Na-K Cathode,  
by W. Baumgartner, J. Linder.  
GERMAN, per, Helvetia Physica Acta,  
Vol XXXIII, 1960, p 608.

\*AEC

Personnel Monitoring by Means of Photo-  
graphic Emulsions in Places Where X-Rays,  
Isotopes and Reactors Are Used, by  
H. Dresel, 16 pp.  
GERMAN, per, Kerntechnik, Vol II, No 7/8,  
1960.

CSIR 188

Theoretical and Experimental Nuclear Re-  
search, by Heinz Barwich, 5 pp.  
GERMAN, np, National Zeitung, Oct 11,  
1961 Column 1-3. 9664297

FTD-TT-62-8

On the Detection of Nonmetallic Inclusions  
in Rolled Material Using Ultrasonics, by  
G. Beckmann, K. Spiegelberg.  
GERMAN, per, Neue Hutte, Vol VI, May 1961,  
pp 316-321.

BISI 2590

Method of Quantitative Determination of  
Degree of Refining of Glasses, by  
G. Schilling, H. Franck.  
GERMAN, per, Silikat Technik, Vol VI,  
No 12, 1955, pp 505-509.

CSIRO

Fundamental Relations Between Utiliza-  
tion of Gas, Consumption of Carbon and  
Calorific Balance in the Blast Furnace,  
by E. Schurmann, D. Bulter.  
GERMAN, per, Stahl und Eisen, Vol LXXXI,  
23 Nov 1961, pp 1565-1574.

\*BISI 2679

Scientific  
Physics (Contd)

Particle Size Analyses of Mine Dusts,  
by Jorn Olaf, 21 pp.  
GERMAN, per, Staub, Vol XX, No 2, 1960,  
pp 40-45.

CSIR 191

On the Routine Determination of Particle-  
Size Determination of Fine Dust Deposi-  
tions in the Thermal Precipitator With the  
Aid of the Electron Microscope, by  
Ingo Westerboer, 9 pp.  
GERMAN, per, Staub, Vol XX, No 10, 1960,  
pp 361-363.

CSIR 192

Selected Articles From the German  
Periodical Z fuer Angewandte Physik.

Vol I, No 10, 1949, pp 462-473.  
Flash X-Ray Tubes and Their Use,  
by W. Schaaffs.

CSIRO

Vol II, No 2, 1950, pp 83-88.  
Fine Structure Ultrashort Exposures  
With the X-Ray Flash Tube, by  
R. Schall.

CSIRO

Vol V, No 6, 1953, pp 217-221.  
Operation and Use of a Double X-Ray  
Flash Tube, by G. Thomer.

CSIRO

Vol XII, No 6, 1960, pp 250-253.  
9097693  
Investigation of a High Fre-  
quency Plasma by Means of a Direct  
Current Probe, by H. Fetz, H. Oechsner,  
8 pp.

ACSIL No 1389

Types of Motion in the Linear Pinch  
Effect and Runaway Electrons, by  
E. Fuenfer, G. Lehner, H. Tuzek,  
19 pp.  
GERMAN, per, Z fuer Naturforschung,  
Vol XVa, 1960, pp 566-574. 9095567

AEC NP Tr-814

Scientific  
Physics (Contd)

Pressure Gradient Produced During  
Gaseous Diffusion, by Von-L. Waldmann,  
K. H. Schmitt.

GERMAN, per, Z fuer Naturforschung,  
Vol XVIa, No 12, 1961.

\*AEC

Measurement by Excitation States of  
Nitrogen Molecules With the Aid of  
Photoionisation, by F. J. Comes,  
Lessmann.

GERMAN, per, Z fuer Naturforschung,  
Vol XVIa, 1961, pp 1038-1042.

\*AFCRL Res Lib

Selected Articles From the German  
Periodical Z. fuer Physik.

Vol XVIII, 1923, pp 1-11.  
Ultraviolet Resonance Spectro of  
Iodine Vapour, by O. Oldenberg.

CSIRO

Vol XXXIX, 1926, pp 607-622.  
Mobility of Solid Spheres of Radii  
Up to  $1.10^{-5}$  cm. and Their Electrical  
Charges, by H. Treitsch.

CSIRO

Vol LXXXVIII, 1934, pp 161-177.  
9095531  
Attempt at a Theory of the Beta  
Rays, by E. Fermi, 19 pp.

AEC UCRL Tr-726

Vol CXX, 1943, pp 513-538.  
The Observable Quantities in  
the Theory of Elementary Particles,  
by W. Heisenberg.

\*AEC

Vol CXXVI, 1949, pp 642-665.  
9097026  
Surface Migration of Tungsten  
on Its Own Crystal Lattice, by  
Erwin W. Muller, 30 pp.

AEC TR-4966

Scientific  
Physics (Contd)

Selected Articles From the German  
Periodical Z. fuer Physik. (Contd)

Vol CLVI, 1959, pp 211-216.

CSIR 190

Some Notes on the Theory of Particle  
Size Distribution in Aerosols, by  
H. Koppe, 7 pp.

Vol CLVIII, 1960, pp 444-470.

\*AEC UCRL Tr-792(L)

Measurement With a Crystal Spectrometer  
of Some Soft Gamma Lines in the Neutron  
Rapture in Europium, by Otto Schult.

The Significance of Calorimetric Measure-  
ments for the Manufacture and Testing of  
Flasters, by E. Eipeltauer.

GERMAN, per, Zement-Kalk Gips, Vol IX,  
No 11, 1956, pp 501-505.

CSIRO 3662

Procedure for Manufacturing Photosensi-  
tive Materials, in Particular Photographic  
Films or Plates, by Joseph Seiberlich.  
GERMAN, Patent No 660,164, 18 May 1938.  
9095561

AEC NP Tr-802

General Properties and Plasmaphysical  
Relations of the Radiation of Systems  
Which Move With a Velocity Greater Than  
the Velocity of Light, by I. Ye. Tamm,  
20 pp.

HUNGARIAN, per, Fiz Szemle, Vol X, No 11,  
1960, pp 323-328.

FTD-TT-61-2

Ninth Meeting of Hungarian Physicists  
in Pecs, 1961, 21 pp.

HUNGARIAN, per, Fiz Szemle, Vol XI,  
No 12, 1961, pp 380-384.

JPRS 13044

Tracking of Ground Water Movement by  
Means of Radioactive Isotopes, by  
Ede Vessey, 16 pp.

HUNGARIAN, per, Hidrol Kozlony,  
Vol XXXVIII, 1958, pp 338-342.

AEC Tr-4627

Scientific  
Physics (Contd)

The Complementary Nature of X-Ray  
Fluorescence Methods and Optical  
Emission Methods in Spectrochemical  
Analysis, by M. Scalise.  
ITALIAN, per, La Metallurgia Italia,  
No 6, 1957, pp 483-487.

BISI 2643

Forced Vibrations (Oscillations)  
With Viscous Friction and Coulomb  
Damping, by Ettore Funaioli, 18 pp.  
ITALIAN, per, Rivista di Ingegneria,  
Vol IV, No 2, 1954, pp 165-171. 9084353

AEC SCL-T-389

An Attempted Construction of a Standard  
Ionization Chamber for Measurement of  
Background, Calibration of Air Borne  
and Gamma Radiation Dose Rate, by  
S. Moriuchi, 3 pp.  
JAPANESE, JAERI Report 5002, No 2,  
1960. 9097022

AEC NP Tr-815

Measurement of Rate of Polymerization  
of Vinyl by Samster Method, Report I,  
by H. Miyama.  
JAPANESE, per, Chemical Society of Japan  
Journal, Vol LXXVI, 1956, pp 196-199.

CSIRO

On X-Ray Irradiation of Penicillium  
Chrysogenum, by H. Imanaka.  
JAPANESE, per, Journal of Antibiotics,  
Vol IX, 1956, pp 218-220.

CSIRO

Influence of a Magnetic Dipole Upon  
the Gravitational Field, by J. Pachner.  
POLISH, per, Acta Physica Polonica,  
Vol XX, No 5/6, 1961, pp 475-492.

\*FTD-TT-62-394

Some Problems of Continued Plastic Flow  
of the Eccentric Cylinder, by Wacław  
Olszak, Stefan Zahorski.  
POLISH, per, Archiwum Mechaniki Stosowanej,  
Vol XII, No 5/6, 1960, pp 667-703.

\*FTD-TT-62-364



Scientific  
Physics (Contd)

Magnetic Element for Pulse Control  
of Thyratrons, by Henryk Tunia, 15 pp.  
POLISH, per, Przegląd Elektrotechniczny,  
Vol XXXVII, No 9, 1961, pp 381-385.  
9675773

FTD-TT-61-435

Effect and Use of Measured Explosion  
in Rock as a New Method of Mining,  
by Ljubomir Paunovic.

SERBO-CROATIAN, per, Vojno-Tehnicki  
Glasnik, Vol VII, 1960, pp 510-513.

\*AEC

On the Question Regarding the Sign of  
Electroconductivity of Evaporated  
Germanium Films, by Yu. G. Ptushinskiy,  
Yu. A. Lupan.  
UKRAINIAN, per, Ukrain Fiz Zhur, Vol IV,  
No 1, 1959, p 125.

\*NRL

Study of the Fundamental Edge of K  
Absorption of Iron and Vanadium X-Rays  
in Their Alloys in Two Modifications,  
by L. G. Nikolayeva, S. M. Karal'nik.  
UKRAINIAN, per, Ukrain Fiz Zhur, Vol V,  
No 2, 1960, pp 231-234.

BISI 2459

Reflection of Electromagnetic Waves  
by a Plasma, by V. I. Kurylko,  
V. I. Miroshnychenko.  
UKRAINIAN, per, Ukrain Fiz Zhur,  
Vol VI, No 3, 1961, pp 415, 416.

\*FTD-TT-62-336

Scientific  
Space Research

The Influence of the Gravitational Attraction of the Sun and the Moon on the Motion of an Artificial Earth Satellite, by A. V. Egorova.  
RUSSIAN, bk, Izvestia: Sputniki Zemli, No 8, 1961, pp 46-56.

RAE 983

How a Picture of the Other Side of the Moon Was Obtained, by G. B. Bogatov, 64 pp.  
RUSSIAN, bk, Kak bylo Polucheno Izobrazheniye Obratnoy Storony Luny, 1961, pp 1-64.

JPRS 12543

Rockets Fly on Course, by Yu. Nikolayev, 13 pp.  
RUSSIAN, np, Ekhn Gazeta, No 10, 1961, p 37.

JPRS 12784

A Spaceship Starts in Space, by Nikolay Varvarov.  
RUSSIAN, np, Ekhn Gazeta, 1 Jan 1962, p 34.

\*FTD-TT-62-422

Space, Space Flight, and Economics, by A. Imaylov, G. I. Pokrovskiy, 10 pp.  
RUSSIAN, per, Grazhden Aviatziye, Vol XVIII, No 8, 1961, pp 21, 22.

JPRS 12545

Rocket Against Rocket, by M. Maksimov, 11 pp.  
RUSSIAN, per, Izvestiya, No 3, 14/20 Jan 1962, pp 10, 11.

JPRS 12443

Before the Launching of a Rocket, by B. Sergeyev.  
RUSSIAN, np, Komsomol'skaya Pravda, 27 Jan 1962, p 4.

\*FTD-TT-62-359

Scientific  
Space Research (Contd)

Notes Taken in Space. What the Log  
Books of Gagarin and Titov Tell,  
by F. Lushnikov.

RUSSIAN, np, Krasnaya Zvezda, 31 Dec  
1961, 4 pp.

\*FTD-TT-62-345

Earth - Moon, by N. Varvarov, 9 pp.  
RUSSIAN, np, Krasnaya Zvezda, 3 Jan  
1962, p 3.

JPRS 12636

Cosmonauts, by Ye. Petrov.  
RUSSIAN, np, Krasnaya Zvezda, 13, 15 Feb  
1962, 2 pp.

\*FTD-TT-62-344

Some Future Problems in Scientific  
Development, by A. Topchiyev, 16 pp.  
RUSSIAN, per, Nauchno Tekh Otdel,  
Vol III, No 6, 1961, pp 3-7.

JPRS 12595

The Soviet Land Has Become the Shore  
of the Universe, by K. Sergeyev,  
7 pp.  
RUSSIAN, np, Pravda, 31 Dec 1961.  
9675777

FTD-TT-62-96

The Beginning of a New Era in the  
Study of Space, by V. G. Fesenkov,  
11 pp.  
RUSSIAN, per, Priroda, No 6, 1961,  
pp 3-5.

JPRS 12442

With a Camera in Space, by G. Titov.  
RUSSIAN, per, Priroda, No 6, 1961,  
pp 8, 9.

R/E 979

Space Flights and Radiation Danger,  
by I. A. Savenko, N. F. Pisarenko,  
P. I. Shavrin.  
RUSSIAN, per, Priroda, No 2, 1962,  
pp 40-48.

\*FTD-TT-62-450

High-Altitude Station.  
RUSSIAN, np, Tass, 25 Jan 1962, p 1.

\*FTD-TT-62-360

Scientific  
Space Research (Contd)

Flight of the Second Cosmic Ship,  
7 pp.

RUSSIAN, per, Vest Ak Nauk SSSR,  
No 10, 1960, pp 99-102. 9673058

FTD MCL-1188/1

Return to Earth, by L. Gil'berg, 11 pp.  
RUSSIAN, per, Znaniye Sila, No 7,  
1961, pp 10-13. 9675778

FTD-TT-62-78

Cosmic Trips, by V. Berezin, 8 pp.  
RUSSIAN, per, Yunyy Tekhnik, Vol V,  
No 5, 1961, pp 8-13. 9675785

FTD-TT-62-41

A Method of Radio-Communication With  
the Aid of the Moon, by N. I. Kalashnikov,  
V. A. Smirnov.

RUSSIAN, Patent Number 132,680, Jan 1960.

\*FTD-TT-62-441

Electrical Propelling Systems for  
Space Rockets, by J. Pokorný.  
CZECH, per, Kridla Vlasti, No 5, 1961,  
pp 14-16.

\*FTD-TT-62-409

Czechoslovak Report on Rocket Research  
in Nations Other Than US and USSR, by  
Karel Pacner, 9 pp.  
CZECH, per, Mlada Fronta, Vol XVII,  
No 278, 284, Nov 1961, p 6.

JPRS 12764

Corpuscular Radiation in Interplanetary  
Space, by J. Kleczek.  
CZECH, per, Pokroky Matematiky, Fyziky a  
Astronomie, No 3, 1961, pp 154-167.

\*FTD-TT-62-466

For the Exploration of the Upper  
Atmosphere C. H. E. T. Sud-Aviation  
Rockets, by Jacques Gambu, 15 pp.  
FRENCH, per, Aviation, No 1, 1961,  
pp 19-23. 9664306

FTD-TT-61-205

Space Ship Two - A Record in Television  
Electronics, by P. Neidhardt.  
GERMAN, per, Nachrichtentechnik, No 11,  
1960, p 469.

\*FTD-TT-62-459

Scientific  
Space Research (Contd)

Details of Soviet Space Program,  
by Erno Ngy.  
HUNGARIAN, per, Technika, Feb 1962.

\*FTD-TT-62-436

Astronautics, by Mieczyslaw Subotowicz.  
POLISH, bk, Astronautyka, 1960,  
pp 20-37, 95-163.

\*FTD-TT-61-123

The First Cosmic Flights of Man, by  
Zbigniew Packowski.  
POLISH, per, Horyzonty Technika, No 7,  
1961, pp 292-297.

\*FTD-TT-62-347

Scientific  
Miscellaneous

Bibliographic Description as an  
Element of Information, by

R. S. Gilyarevsky, 17 pp.

RUSSIAN, monograph, Doklady na Kon-  
ferentsii po Obrabotke Informatsii,  
Mashinnomu Perevodu i Avtomaticheskomu  
Chteniyu Teksta, No 6, 1961, pp 1-11.

JPRS 12957

A General Information Language to Be  
Employed In An Experimental Mechanized  
System for Literature Searching in  
the Field of Mechanics, by

G. A. Lavrent'yeva, 25 pp.

RUSSIAN, monograph, Doklady na Kon-  
ferentsii po Obrabotke Informatsii,  
Mashinnomu Perevodu i Avtomaticheskomu  
Chteniyu Teksta, No 6, 1961, pp 1-12.

JPRS 13055

A Method of Special Abstracting, by  
B. R. Pevzner, N. I. Styashkin, 22 pp.

RUSSIAN, monograph, Doklady na Kon-  
ferentsii po Obrabotke Informatsii,  
Mashinnomu Perevodu i Avtomaticheskomu  
Chteniyu Teksta, No 6, 1961, pp 1-14.

JPRS 13057

Two Operators For Processing Work  
Combinations With "Strong Government"  
(For Automatic Syntactic Analysis),  
by L. N. Iordanskaya, 41 pp.

RUSSIAN, monograph, Dva Operatory  
Obrabotki Slovosochetaniy s "Sil'nym  
Upravleniyem", 1961, pp 3-33.

JPRS 12441

Selected Articles From the Russian  
Book Mashinnyy Perevod i Prikladnaya  
Lingvistika, No 5, 1961, (DC-3901).

\*JPRS

Concerning an Information Language  
for Geometry and an Algorithm for  
Translating From Russian Into the  
Information Language, by A. V. Kuznetsov,  
et al, (pp 3-21).

Scientific  
Miscellaneous (Contd)

Selected Articles From the Russian  
Book Mashinnyy Perevod i Prikladnaya  
Lingvistika, No 5, 1961, (DC-3901).  
(Contd)

\*JPRS

Experiment of Multilingual Translation  
of Numerals on the 'Ural' Machine, by  
G. S. Tseytin, (pp 22-26).

Structure of an Algorithm for  
Grammatical Analysis (in the Case of  
Machine Translation From Russian),  
by T. M. Nikolayeva, (pp 27-44).

Concerning the Formalization of  
Context, by G. V. Kolshanskiy,  
(pp 45-50).

Some Refinements in the Probabilities  
of the Zipf Model, by D. M. Segal,  
(pp 51-55).

Machine Parsing of a Georgian  
Phrase, by G. B. Chikoidze,  
(pp 56-65).

Order of Words in the Independent  
Synthesis of a Russian Sentence,  
by V. K. Voynov, et al, (pp 66-72).

An Interesting Hypothesis of Yngve  
(Review), by I. I. Revzin, (pp 73-80).

Articles of Machine Translation of the  
Cambridge Linguistic Group (Abstract),  
by A. K. Zholkovskiy, (pp 81-89).

In Memory of I. A. Sokolyanskiy, by  
V. V. Ivanov, (pp 90-92).

Intervuz Scientific Conference on  
Applied Linguistics, by D. M. Segal,  
(pp 93-99).

Scientific  
Miscellaneous (Contd) .

Possibilities of Automation in the Control of the National Economy, by A. I. Berg, K. A. Lyapunov, 19 pp. RUSSIAN, bk, Problemy Kibernetiki, No 6, 1961, pp 83-100.

JPRS 12562

Selected Articles From the Russian Monograph Voprosy Otrasleyoi Bibliografii po Estestvennym Naukam, Sbornik Dokladov na VI Nauchnoi Konferentsii Biblioteki Akademii Nauk SSSR, 2-4 March 1960.

MIT, Libraries  
Cambridge 39, Mass.

Abstract Journals of the All-Union Institute of Scientific and Technical Information, by A. A. Fomin, 10 pp.

Recording and Registration of Natural Science Literature by the Organs of State Bibliography of the USSR, by N. A. Lavrova, 14 pp.

Problems of Soviet Subjects Bibliography in the Natural Sciences, by S. P. Luppov, 22 pp.

Foreign Bibliography in the Natural Sciences. Problems in Organizing an Efficient System of Bibliographic Information, by V. V. Gnucheva, 12 pp.

Soviet Subject Bibliography of Bibliographies /Some Problems of Method/, by A. M. Lukomskaya, 12 pp.

Experience of the All-Union Geological Library in Compiling Its Annual, Geological Literature of the USSR, by B. P. Polevoy, 12 pp.

Specialized Conference on Diesel Construction, by L. K. Kollerov, 5 pp. RUSSIAN, per, Energomashinostroyeniye, No 8, 1961, p 47.

JPRS 13033



Scientific  
Miscellaneous (Contd)

Problems of Magma and the Geneis of  
Eruptive Mineral Ores, by A. P. Lebede,  
7 pp.  
RUSSIAN, per, Gokhimiya, No 8, 1961,  
pp 713-715.

JPRS 13033

General Meeting of the Chemical Sciences  
Section of the USSR Academy of Sciences  
on 24/25 Nov 1960, 4 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR; Otdel  
Khim Nauk, No 4, 1961, pp 731-732.

JPRS 13033

A Symposium on the Problem of the  
Siberian Silkworm, by N. G. Kolomiyets,  
A. B. Gukasyan, 4 pp.  
RUSSIAN, per, Iz Sibir Otdel Ak Nauk  
SSSR, No 3, 1961, pp 113-114.

JPRS 13033

Meeting of N. S. Khrushchev With  
Scientists of the Siberian Department  
of the Academy of Sciences of the  
USSR, 4 pp.  
RUSSIAN, per, Iz Sibir Otdel Ak Nauk  
SSSR, No 5, 1961.

JPRS 13105

Scientific-Technical Conference on the  
Problems of Benzine Production, by  
V. L. Klimenko, 7 pp.  
RUSSIAN, per, Neftekhimiya, Vol I,  
No 2, Mar/Apr 1961, pp 292-294.

JPRS 13033

The Brightness of Thought, by Iya  
Meskhi, 4 pp.  
RUSSIAN, per, Ogonek, No 49, pp 16, 17.

JPRS 12560

Cybernetics and Automation, by  
V. Solodovnikov, 4 pp.  
RUSSIAN, np, Pravda, 27 Dec 1961.

JPRS 12561

The Social Role of Science and Its  
Outlook in Slovakia, by Dionyz Blaskovic,  
7 pp.  
RUSSIAN, np, Pravda, Vol XLIII, No 6A,  
7 Jan 1962, pp 2,3.

JPRS 12509

Scientific  
Miscellaneous (Contd)

Cybernetics Safeguards Health, by  
N. Amosov, K. Ivanov-Muromskiy, 5 pp.  
RUSSIAN, np, Pravda Ukrainy,  
25 Jan 1962, p 3.

JPRS 12912

Selected Articles From the Russian  
Periodical Sovet Etnografiya, No 4,  
1961.

JPRS 12408

Session Devoted to Results of  
Scientific Research of the 1960  
Expeditions, by V. A. Aleksandrov,  
7 pp, (pp 177-179).

Scientific Relations of the  
Institute of Ethnography of the  
Academy of Sciences USSR With  
Foreign Countries, by Yu. I.  
Zhuravlev, 6 pp, (pp 187-189).

Soviet and Foreign Authorities  
Discuss the Peoples of the World  
Ethnographic Series, by  
I. A. Zolotarevskaya, 18 pp,  
(pp 190-197).

Cartographic Publications of the  
Institute of Ethnography of the  
Academy of Sciences USSR, by  
G. F. Debetz, 3 pp, (pp 198, 199).

The Fourth Ukrainian Conference on  
Physical Chemistry, by A. S. Afanas'yev,  
5 pp.  
RUSSIAN, per, Ukrain Khim Zhur,  
Vol XXVII, No 4, 1961.

JPRS 13033

Scientific  
Miscellaneous (Contd)

Selected Articles From the Russian  
Periodical Vest Ak Nauk SSSR, No 12,  
1961.

JPRS 12786

In the Presidium of the Academy of  
Sciences, Field Conference in  
Novosibirsk, 3 pp.

At the General Meeting of the  
Academy, 5 pp, (pp 5, 6).

The Twenty-Second Congress of the  
Communist Party of the Soviet Union  
and the Tasks of the USSR Academy  
of Sciences, by M. V. Keldysh,  
84 pp, (pp 7-34).

On the Status and Training of  
Scientific Personnel in the Light  
of the New Tasks Placed Upon the  
USSR Academy of Sciences, by  
A. V. Topchiyev, 23 pp, (pp 35-48).

Discussion of Reports, by  
P. M. Pospelov, 29 pp, (pp 49-66).

At the General Meetings of the  
Divisions, 54 pp, (pp 57-93).

Sedov on Future Research.  
RUSSIAN, np, Zarya Vostoka, 2 Dec 1961,  
p 2.

\*FTD-TT-62-408

A Conference on the Chemization of  
Agriculture in Orenburgskaya Oblast,  
by A. Kh. Batalin, 5 pp.  
RUSSIAN, per, Zhur Vses Khim Obshch  
imeni D. I. Mendeleyeva, Vol VI, No 3,  
1961, pp 346, 347.

JPRS 13033

Scientific  
Miscellaneous (Contd)

Some of the Results of the Work of  
the Moscow Administration of the  
All-Union Chemical Society imeni  
D. I. Mendeleyev in 1960, by  
Ye. F. Stroganov, 6 pp.  
RUSSIAN, per, Zhur Vses Khim Obshe  
imeni D. I. Mendeleyeva, Vol VI,  
No 3, 1961, pp 347, 348.

JPRS 13033

The Meteorological Committee of the  
Presidium of the Hungarian Academy  
of Sciences, 5 pp.  
HUNGARIAN, per, Idejaras, Vol LXV,  
No 3, May/Jun 1961, p 189.

JPRS 12883

Selected Articles From the Hungarian  
Periodical Magyar Tudomany.

Vol VI, No 6, 1960, p 380.  
A New Stage of Scientific Relations  
Between Hungary and East Germany,  
by Tibor Szemerédi, 4 pp.

JPRS 12683

Vol VI, No 5, 1961, pp 313-317.  
On the Activities of the Hungarian  
Academy of Sciences, 14 pp.

JPRS 12459

Vol VI, No 6, 1961.  
On the Activities of the Hungarian  
Academy of Sciences, 7 pp,  
(pp 362, 363).

JPRS 12459

The Publishing Activities of the  
Hungarian Academy of Sciences, by  
Elek Erdelyi, 13 pp, (pp 364-367).

JPRS 12814

Vol LXVIII, No 7, 8 Jul, Aug 1961,  
pp 470-472.  
On the Activities of the Hungarian  
Academy of Sciences, 5 pp.

JPRS 12459

Vol LXVIII, No 9, 1961, pp 551-553.  
From the Activities of the Hungarian  
Academy of Sciences, 8 pp.

JPRS 13013

Scientific  
Miscellaneous (Contd)

Behind the Moscow-Peking Rift, 3 pp.  
JAPANESE, per, Hokkoku Shimbun,  
27 Jan 1962. 9664395

500th INTC Gp  
Tr No 105735

Habilitation Procedures at the Polish  
Academy of Sciences, 14 pp.  
POLISH, per, Nauka Polska, No 1 (33),  
Jan/Mar 1961, pp 249-260.

JPRS 12946

Habilitation Procedures at the Polish  
Academy of Sciences, by Anastazja Strus,  
8 pp.  
POLISH, per, Nauka Polska, Vol IX,  
No 1 (33), Jan/Mar 1961, pp 261-269.

JPRS 12946

On Awards, Study Tours and Academy  
News, by Ludmila Szeworska, 12 pp.  
POLISH, per, Nauka Polska, No 1 (33),  
Jan/Mar 1961, pp 267-276.

JPRS 12946

Development of Cybernetics in the  
Soviet Union, by A. A. Markov, 8 pp.  
POLISH, per, Przegląd Elektrotechniczny,  
Vol XXXVII, No 2, 1961, pp 53-55.

JPRS 12834

INFORMATION RECEIVED DURING MARCH  
ON COVER-TO-COVER TRANSLATIONS

Akusticheskiy Zhurnal, Vol IV, No 1/4, 1958.	AIP Sov Phys - Acoustics Vol IV, No 1-4
Akusticheskiy Zhurnal, Vol V, No 1/2, 1959.	AIP Sov Phys - Acoustics Vol V, No 1, 2
Akusticheskiy Zhurnal, Vol VI, No 2/4, 1960.	AIP Sov Phys - Acoustics Vol VI, No 2-4
Astronomicheskiy Zhurnal, Vol XXXVIII, No 5, 1961.	AIP Sov Astron - AJ Vol V, No 5
Avtomaticheskaya Sverka, No 5, 1961.	BWRA
Byulleten' Izobreteniy, No 17/18, 1959.	PP
Byulleten' Izobreteniy, No 15, 17/20, 1961.	Derwent Information Service
Doklady Akademii Nauk SSSR, Biochemistry Section, Vol CXL, No 1/6, 1961.	AIBS
Doklady Akademii Nauk SSSR, Botanical Sciences Section, Vol CXXXIX, No 3/6, 1961.	AIBS
Doklady Akademii Nauk SSSR, Botanical Sciences Section, Vol CXL, No 1/6, 1961.	AIBS
Doklady Akademii Nauk SSSR, Physics Section, Vol CXXXIX, No 4/6, 1961.	AIP Sov Phys - Dok Vol VI, No 8
Doklady Akademii Nauk, Physics Section, Vol CXL, No 1/3, 1961.	AIP Sov Phys - Dok Vol VI, No 9

Doklady Akademii Nauk SSSR, Soviet  
Mathematics, Vol CXXXIX, No 1/6,  
1961.

Elektrosvyaz', No 9, 1961.

Fizika Tverdogo Tela, Vol III,  
No 9, 1961.

Geodeziya i Kartografiya, No 7/8,  
1961.

Geologiya Nefti i Gaza, Vol III,  
No 11-A, 12-B, 1959.

Izmeritel'naya Tekhnika, No 8, 1961.

Izvestiya Akademii Nauk SSSR, Seriya  
Fizicheskaya, Vol XXIV, No 12, 1960.

Izvestiya Akademii Nauk SSSR, Seriya  
Fizicheskaya, Vol XXV, No 1/2, 1961.

Izvestiya Akademii Nauk SSSR, Seriya  
Geofizicheskaya, No 11, 1961.

Izvestiya Akademii Nauk SSSR, Seriya  
Geologicheskaya, No 11, 12, 1960.

Izvestiya Vysshikh Uchebnykh Zavedeniy,  
Seriya Radiofizika, Vol IV, No 3,  
1961.

Koks i Khimiya, No 9, 1961.

Kristallografiya, Vol V, No 2/6,  
1960.

Kristallografiya, Vol VI, No 1/5,  
1961.

Liteynoye Proizvodstvo, No 9, 1961.

Amer Math Soc  
Vol II, No 4

AIME

AIP  
Sov Phys - Solid State  
Vol III, No 9

AGU

RRG

ISA

CTT

CTT

AGU

AGI

JPRS 12754

CTRA

AIP  
Sov Phys - Crystall  
Vol V, No 2/6

AIP  
Sov Phys - Crystall  
Vol VI, No 1/5

BCIRA

Pribory i Tekhnika Eksperimenta,  
No 4, 1961.

ISA

Problemy Gematologii i Perelivaniya  
Krovi, Vol VI, No 1, 2, 1961.

PP

Radiotekhnika, Vol XVI, No 8, 9,  
1961.

AIEE

Radiotekhnika i Elektronika, No 7, 8,  
1961.

AIEE

Referativnyy Zhurnal: Mekhanika, No 7,  
1960.

Technical Information  
and Library Services

Stanki i Instrument, Vol XXXII,  
No 6, 7, 1961.

PERA

Svarochnoye Proizvodstvo, No 4, 5,  
1961.

BWRA

Tsitologiya, Vol III, No 5, Sep/Oct  
1961.

JPRS 12752

Tsvetnye Metally, Vol II, No 3, 1961.

Primary Sources

Uspekhi Khimii, Vol XXX, No 2, 3,  
1961.

Cleaver-Hume Press Ltd.

Uspekhi Matematicheskikh Nauk, Vol XVI,  
No 3, 1961.

Cleaver-Hume Press

Voprosy Onkologii, Vol VII, No 4,  
1961.

Royer & Roger

Voyenno-Meditsinskiy Zhurnal, No 11,  
1961.

JPRS 12766

Voyenno-Meditsinskiy Zhurnal, No 12,  
1961.

JPRS 13063

Voyenny Vestnik,  
No 1/6, 1962.

ACSI I-0424  
ID 2191530



Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, Vol XLI, No 2, 1961.

Zhurnal Fizicheskoy Khimii, Vol XXXV, No 5, 1961.

Zhurnal Neorganicheskoy Khimii, Vol VI, No 3, 4, 1961.

Zhurnal Obshchey Khimii, Vol XXXI, No 6, 1961.

Zhurnal Strukturnoy Khimii, Vol II, No 1, 2, 4, 1961.

Zhurnal Tekhnicheskoy Fiziki, Vol XXXI, No 9, 1961.

AIP  
Sov Phys - JETP  
Vol XIV, No 2

Cleaver-Hume Press Ltd.

Cleaver-Hume Press Ltd.

CB

CB

AIP  
Sov Phys - Tekh Phys  
Vol VI, No 9

# AUTHOR INDEX

- A -

Aaltonen, Aimo	101	Ambrok, G. S.	212
Abashev-Konstantinovskiy, A. L.	288	Amiragov, I. L.	162
Abdullayeva, V. M.	284	Amosov, M. M.	201
Accary, A.	304	Amosov, N.	352
Achard, Jean-Claude	189	Amstutz	189
Aczel, Istvan	206	Anan'yev, B. G.	267
Adamskiy, V. B.	331	Andreescu, Dan	88
Adda, Yves	305	Andreyev, V. A.	280
Adler, O.	78		
Adramovsky, A.	35	Antal, P.	192
Adreescu, E.	95	Antohi, C.	76
Adreyanov, V.	202	Antomenko, N.	17
Adrianov, O. S.	267	Antonik, Kazimierz	71
Afanas'yev, A. S.	352	Antonov, A. M.	322
Agarev, V. A.	327	Antonovich, S. A.	212
Agarkov, F. T.	278	Apostolache, Tudor	79
Agrinskiy, M. Ye.	279	Aram, M.	105
Ahlivark, A.	301	Aranjelovich, Dushan	90
Akahira, T.	198	Aref'yeva, Z. S.	321
Akimushkin, I.	173	Arenbeck, K. R.	239
Alekhin, R. M.	285	Areshkina, L.	171
Aleksandrov, N. I.	289	Arkhangel'skaya, A. A.	219
Aleksandrov, V. A.	352	Arkangel'skaya, V. V.	254
Alekseyev, K. B.	215	Arrieux, Claude	147
Alekseyev, S. M.	159	Artanovskiy, S.	41
Alekseyevskiy, N. E.	331	Artner, E.	193
Alemasov, V. Ye.	160	Artyukh, L. Yu.	320, 323
Alfille, L.	227	Arzumanyan, A. A.	4
Alicata, Mario	150	Asher, Avigdor Ben	127
Aliyev, Sh.	18	Atakhanov, E. I.	282
Aliyev, Ya.	18	Au, Gunther	205
Allais, Maurice	257, 335	Aubertein, P.	335
Almquist, E.	98	Autelli, Juan	154
Alpatov, N.	219	Avaioglu, Dogan	109
Al'perin, P. M.	275	Avdulov, M. V.	250
Alpert, U.	105	Avdzhiev, G.	291
Al'tgauzen, A. P.	15	Averkiev, M. S.	251
Altschul, R.	55	Aydit, D. N.	32
Altshuler, L. V.	332	Azam, M.	227
Amat, E.	301	Azernikov, V.	242
Ambartsumyan, S. A.	214		

Babayan, N.	14
Babmindra, V. P.	271
Bashet, C.	306
Badayeva, T. A.	304
Baduel, Ugo	150
Baeckeland, E.	294
Baerlecken, Ewald	308
Bagaa, G.	120
Bagdasarov, A. A.	275
Bagramyan, E. R.	279
Bailly, M.	142
Bakanova, A. A.	332
Bakayev, V.	15
Balandin, M. P.	315
Balanescu, Ion	74
Balkina, Ya. V.	159
Balyuzek, F. V.	283
Bangerter, A.	297
Barakin, A.	21
Baranov, A. M.	252
Baranov, B. M.	209
Baranski, S.	179
Barbaso, E.	299
Barcia, D.	301
Barkaya, V. S.	278
Baroi, D.	88
Bartkiewics, B.	238
Barwich, Heinz	338
Bash, R.	113
Bashilov, I. Ya.	19
Bashlavin, L. A.	220
Basov, N. G.	328
Bassin, F. V.	267
Basso	149
Bast, G. H.	142
Bastos, Alves Anibal	242
Batalin, A. Kh.	353
Batsuh, D.	120
Bauer	260
Bauereisen	297
Bauermeister, Gerhard	49
Bauermeister, Hermann	85
Baumgartner, W.	338
Baybakov, N.	27
Bayburov, B. S.	8

Baysogolov, G. D.	275
Baz, A. I.	311
Bazileva, N.	18
Beaujard, L.	228
Becher, H. J.	194
Becker, A.	108
Beckmann, G.	338
Bednarowicz, Jerzy	62
Behring, B.	85
Beier	93
Bein, E. S.	267
Bekatov, A. I.	213
Beklemishev, V. N.	277
Belmas, M.	163
Belopuklov, L. K.	333
Belousov, I. M.	269
Belykh, D.	16
Belykh, D. P.	6
Belyshev, P. V.	13
Bendryshev, O. L.	222
Benenson, G. M.	4
Bensimon, L.	294
Berezin, A. K.	313
Berezin, V.	346
Berezina, G. P.	313
Berezinskiy, A. A.	208
Berezova, E. F.	174
Berg, A.	9
Berg, A. I.	350
Berg, L. S.	170
Berg, R. L.	170
Bergert, Heinz	52
Berlyand, M. Y.	244
Berneron, R.	306
Bernshteyn, M. L.	302
Bernshteyn, N. A.	268
Bevierre, P.	163
Beynam-Bremen, E.	337
Bezrukov, P. L.	253
Bezvikonnyy, A. A.	216
Bialer, K.	105
Billig, H.	163
Bilski, Ryszard	300
Binet, Jacques-Louis	293
Birkin, A.	11
Birkovskiy, Yu. Ye.	288
Biryukova, A. I.	222

Biryukova, R. N.	262	Bosiacki, Kazimierz	64
Bizouard, H.	305	Bosquet, Michel	146
Bjarnason, Matthias	97	Botvinnikova, M. I.	279
Blagoveshchenskiy, Yu. V.	201	Bourgue	110
Blasinski, Henryk	197	Brabec, V.	335
Blaskovic, Dionyz	351	Branki, Julius	48
Blass, Bronislaw	62	Branover, H.	325
Blazejak-Ditges, D.	190	Brauer, G.	194
Blin, J.	188	Brcic, Stanko	45
Blinov, N. A.	221	Bretschneider, R.	56
Blinova, L. I.	284	Bricard, Jean	258
Blitz, W.	317	Bridgman, R. F.	138
Blokhintsev, D. I.	316	Brik, E.	5
Blokhintseva, T. D.	315	Brodskiy, V. Ya.	173
Blume, P.	54	Brodsky, K. A.	246
Blyumenfel'd, L. A.	184, 200	Brooke	336
Bob, Roman	61	Broude, V. L.	331
Bobrovnikov, N. I.	3	Bruche, E.	238
Bodalski, M.	67	Bruk, S. I.	141
Bode, J. J.	192	Bryuklanov, A. S.	334
Bodin, S.	198	Bubenikova, V.	187
Boehmel, H.	54	Bucken, H.	143
Bogatov, G. B.	344	Budagov, Ya. A.	315
Bogdanov, A. A.	249	Budevski, O.	187
Bogolyubova, A. V.	175	Budyko, M. I.	251
Bogomolov, L. A.	250	Buhler, H.	235
Bogorov, V. G.	245	Bui, Huy Dap	125
Boguszewska, Maria	95	Bukhteyev, A.	210
Boguszewski, W.	68	Bukowiecki, A.	193
Boiangiu, T.	76	Bukreyeva, D. P.	269
Bojanczyk, Jan	65	Bulanzhe, Yu. D.	248, 249
Bokshtein, S. Z.	311	Bulter, D.	338
Boldyev, B. V.	276	Bulygina, Ye. V.	160
Bolkhovitinova, Ye. N.	276	Bungardt, K.	307
Bolomey, J.	227	Bunin, V. A.	224
Bolotin, L. I.	328	Bunz, V. I.	243
Bolshov, V. G.	334	Buob, K. H.	193
Bolyatinskaya, A. S.	4	Burger, Hans	56
Bonch-Bruevich, A. M.	333	Burgstedt, H. J.	297
Bondarenko, I. I.	314	Burles, Jean	145
Bondareva, A. K.	320	Burmistrov, M. I.	283
Borak, N.	22	Burnelle, Ernest	146
Borchert, G.	236	Burov, Yu.	211
Boreaskov, G. K.	183, 328	Burshteyn, I.	19
Boros, Ferenc	58	Burtsev, A. N.	283
Borovkov, I.	18	Bussetti, G.	196
Borovyy, Ye. M.	277	Butusov, Ivan	
		Vasil'yevich	207

Butusov, V.	4
Buyalo, S. G.	289
Bye, Johan	102
Bykhovskiy, B.	32
Bykhovsky, B. E.	173
Bykov, R. Ye.	283
Bzhalava, I. T.	287

- C -

Jalas, Raoul	145
Camier, Marie Claire	145
Cardan, Paul	147
Carriere-Bouillot	164
Carrillo, Eloy Morua	158
Cascales, M.	301
Casman-Govaerts, J.	293
Cattani	149
Cattapan, D.	196
Cernik, Oldrich	49
Cervenka, J.	84
Chang, Feng-lou	203
Chang, Shih-ying	127
Chao, P'u-ch'u	136
Charnyy, A. M.	268
Chaylakhyan, L. M.	171
Chazanow, Elias	73
Chebayevskiy, V. F.	160
Cheboksarov, N. N.	141
Chelyapov, I.	31
Chelyustkin, A. B.	198
Chen, Chih	117
Ch'en, Ho-Ch'iao	203
Ch'en-hu	203
Ch'en, Yuan-hui	137
Cheng, Tsun-Liang	219
Chepov, P. M.	278
Cherednickenko, V. M.	186
Cheremukhina, R. I.	242
Chereshneva, N. V.	214
Chernigovskiy, V.	265
Chernikhova, I. Ya.	303
Chernikova, V.	169
Chernousov, N. P.	216
Chertkov, A. Ya.	285
Chertkov, L. Ya.	26
Cheryayev, R. N.	203

Chevremont, M.	294
Chiarelli, B.	299
Chigal, V.	304
Chikoidze, G. B.	349
Chirkov, K.	10
Chkhaidze, L. V.	271
Chmura, Frantisek	162
Chong, T'ae-sik	140
Chou, Li-po	137
Chu, Kuang-fu	116
Ch'u, Liu-i	137
Chudakov, K. P.	23
Chudin, N.	33
Chukhanov, Z. F.	19
Chung, Ch'ien Hsin	291
Churayev, I. A.	175
Churbanov, V.	18
Chwiej, M.	241
Ciahunowicz, Jerzy	65
Cielecki, Mieczyslaw	62
Cierpicki, Aleksander	87
Cocchi, P.	299
Codreanu, D.	75
Coelho, Marco Antonio	155
Cohen, Francis	34
Cohen, G. N.	293
Cohen de Lara, G.	227
Coin, Jean	146
Combaux	152, 204
Comes, F. J.	340
Conrad, P.	143
Corlan, Gr.	75
Cornea, Lucian	79
Corpade, Al.	77
Corvalan, Luis	157
Cosmin, M.	76
Cotte, G.	294
Courtois,	112
Coutelen, R.	228
Cremonesi, F.	309
Cretu, I.	78
Csorgo, Bela	60
Czarkowski, Jan	61
Czarnecki, W.	87
Czechowicz, A.	66
, P.	179

- D -

Dadabayev, K. B.	212
Dadieu, Armin	242
D'Alessandro, G.	300
Dambrowska, Stefania	72
Damminger, K.	295, 296
Dam'ye, N. G.	268
Danczkay, I.	295
Daniel-bek, V. S.	330
Danilov, A. S.	159
Danilov, P. M.	303
d'Antona, D.	299
Dantov, G. Yu.	333
Dao, Trong	126
Darabant, Alex	77
Darmann, H. J.	235
Darras, R.	196
Darsch, C.	228
Dascalu, I.	95
Davydov, G.	18
Debetz, G. F.	352
Debye, P.	205
de Groot, Paul	145
Degtyarev, Yu. G.	314
Degtyareva, Z. Ya.	274
Deich, M. E.	207
de la Souchere, E.	155
Delbart, G.	227
Delyagin, G. N.	319
De Martino, Francesco	149
Demberel, Ts.	120
Demchenko, V. S.	183
Demchig, D.	120
Demidova, Ye. K.	285
Dem'yanov, Yu. A.	214
Dem'yanova, E. A.	185
Denisov, N.	36
Derbisher, A.	22
Derkach, V. N.	181
Devoyno, A. N.	323
Diaconescu, M.	88
Diev, N. P.	185
Dimitrescu, R.	77
Dinh, Van Loan	260
di Virgilio, G.	294
Djurbabic, Marko	45

Dobner, O.	190
Dobrokhotova, K. V.	173
Dobrolenskiy, Yu. P.	159
Dobrovol'skiy, L. A.	273
Doherr, H.	55
Doklestic, Dj.	46
Dokukin, S. N.	310
Dolejs, L.	187
Dolgachev, N. I.	211
Dolgopolov, K. V.	5
Dombrowski, E.	205
Domingues, Harold I.	155
Donigevich, M. I.	288
Dontsov, P. M.	323
Doorenbos, H.	192
D'Or, L.	336
Dorjgotob, D.	119
dos Santos, Eduardo	113
Dotsenko, M. T.	175
Douzou, Pierre	189
Doweyko, B.	66
Dowgiallo, Z.	67
Dragavtsev, V. A.	282
Draghicescu, C.	78
Drehmann, K. H.	54
Drescher, K.	54
Dresel, H.	338
Drichko, N. M.	223
Drukman, E.	104
Druzhinin, V. P.	304
Dubchak, V.	16
Dubosars'ka, M. T.	1
Dubrova, G. B.	180
Dubyago, A. D.	248
Dudkina, I. N.	218
Dumic, B.	91
Dumpe, E. P.	274
Duong, Quoc Chinh	123
Dushechkin, A.	184
Dvorkin, G. A.	322

- E -

Ebersbach, Heinz	51
Eckloff, Carl	50
Edelmann, K.	233
Eder, F. X.	191
Efroimson, V. P.	268
Efter, Y.	104
Egge, Truls	102
Egorova, A. V.	344
Ehrlich, W.	164
Eichenauer, W.	190
Eichmann, Heinz	56
Eipeltauer, E.	341
Elagin, I. N.	174
El'perin, I. P.	324
El'piner, I. E.	319
Eman, A. A.	283
Enderlein, F.	58
Ene, I.	78
Engelking, R. Lopex	301
Ennuyer, A.	293
Enselme, M.	162, 163, 227
Epik, I. P.	324
Erdelyi, Elek	354
Eriksson, H.	241
Erlich, E.	113
Ernst, E.	175
Eschle, K. F.	190
Esser, F.	238
'Etsyon, M.	113
Eucken, M.	194
Evenchik, S. D.	187
Evers, M.	195
Evgrafov, M. A.	261
Evt'yev, D. P.	304

- F -

Faddeyeva, Vera Konstantinovna	267
Fadeyev, V. M.	334
Fadeyeva, V. I.	182
Fafara, R.	67
Fal'kevich, A. S.	208
Fanti, Guido	150

Farafonov, P. P.	217
Fateyev, I. N.	201
Fateyeva, N. S.	186
Faynberg, Ya. B.	313
Febbraro, E.	301
Fedorov, A. A.	174
Fedorov, I.	35
Fedorov, N. A.	278
Fedorov, V. V.	26
Fedorowicz, Zdzislaw	61
Fedotova, M. I.	270
Fedynskiy, V. V.	243, 249
Feix, Leon	145, 146
Felgas, Helio	114
Felix, Lucienne	262
Fenain, M.	162, 163
Fermi, E.	340
Fersman, A. Ye.	38
Fesekov, V. G.	345
Fetisov, S. G.	303
Fetz, H.	339
Feuillade, Georges	177
Fiala, L.	257
Fialkov, A. S.	222
Fick, Bronislaw	63
Fignon, M.	227
Filasiewicz, Aleksander	61
Fildo, D. A. Machado	179
Filippov, V. V.	314
Filippov, Ye. M.	255
Filipovic, Dragomir	91
Finn, W. K.	309
Fischer, R.	194
Fischler, F.	295
Flekser, Ya. N.	198
Flerov, G. N.	311
Fokina, L. N.	183
Fomin, A. A.	350
Fomina, L. N.	326
Foteyev, A. M.	161
Frabritius, H.	308
Franc, Jaroslav	187
Franck, G.	335
Franck, H.	338
Frank, Pierre	147
Franzen, J.	337
Frauenfelder, H.	338

Frei, Bruno	148
Freykin, Z. G.	5
Freytag, J.	95
Fridbjarnarson, Stefan	98
Fridland, V. Ya.	324
Friedrich, Gerd	52
Friehe, W.	236
Frizzi, G.	300
Frolov, A.	8
Froshaug, H.	296
Frynta, Z.	311
Fuchs, K.	337
Fuenfer, E.	339
Fuernberg, Friedl	82, 148
Funaioli, Ettore	342
Funasaka, Wataru	309
Furduyev, P.	19
Futokov, G.	291

- G -

Gabjan, Jozef	63
Gadeke, Roland	296
Gafurov, B.	40
Gajos, St.	67
Galicki, Stanislaw	73
Galkov, A. P.	314
Gal'perin, P. Ya.	286
Gal'perin, S. I.	266
Gal'tsov, A. P.	246
Gambu, Jacques	346
Gamburtsev, G. A.	247, 248
Gandorj, Sh.	120
Ganz, D.	308
Ganzleben, H.	164
Garamvelgi, Istvan	80
Garaudy, Roger	145
Garkavi, S. M.	221
Gasanov, U. G.	265
Gasonov, Sh. M.	40
Gatovskiy, L.	31
Gaudin, L. S.	251
Gaumann, Tino	191
Gaur-Heidelberg, W.	337
Gauze, G. F.	282
Gaveman, A. V.	214
Gavrilov, L.	215

Gavrilov, M. I.	246
Gazenko, O. G.	173
Gedeyonov, L. I.	245
Geffen, Marc	108
Gel'd, P. V.	183
Gel'fand, I. S.	248, 249
Gemant, A.	198
Gencin, Ilja	43
Georgiyev, L.	12
Gerbut, K. A.	284
Gerhardsen, Einar	101
Germani, Bruno	150
Gershonov, Eliezer	44
Gertsriken, S. L.	288
Getmantsev, G. G.	166
Geza, Szekely	60
Giesdorf, K.	232
Gil'berg, L.	346
Gilles, J. W.	235
Gilyarevsky, R. S.	348
Gimmel'farba, A. L.	161
Ginsburg, Th.	316
Ginsburg, V. A.	182
Ginzburg, V. L.	166, 318, 330
Gislason, Gudlaugur	97
Gizhitskiy, A. M.	168
Gizycka, I.	95
Gladkikh, A. N.	217
Glezer, Ya.	10
Glod, Wladyslaw	70
Glowinska, Krystyna	259
Glushkov, I. L.	161
Gnucheva, V. V.	350
Gogin, Yu. A.	223
Gol'denberg, S. A.	320
Gol'din, G. I.	281
Gol'dman, I. I.	325
Golihski, Juiusz	69
Golub, V. N.	334
Golubev, B. B.	332
Golutvin, Yu. M.	332
Gombas, P.	336
Goncharenko, Ye. N.	269
Gorbator, V.	17
Gordeladze, Sh. G.	167
Gordey, Michel	150



Gordiyenko, P.	28
Gordon, Z. V.	200
Gorender, Jacob	155
Gor'kov, V. A.	223
Gorodilova, V. V.	269
Gorshenev, A.	31
Gorshkov, G. P.	39
Gorski, M.	68
Gortzak, Henk	100
Gorynya, A. A.	167
Gotshalk, Yu.	172
Gottardi	240
Gottardi, V.	240
Goudot, A.	305
Gouyou-Beauchamps, J.	228
Govorovich, Ye. A.	183
Govotov, A. V.	162
Goynia, Jerzy	61
Grabley, P.	50
Grachava, A. F.	185
Gradov, G. L.	5
Gramovschi, I.	77
Graul, E. H.	295, 296
Grauschwitz, Reinhard	51
Gravrand, Henry	112
Grayevskiy, E. Ya.	287
Grdina, Yu.	10
Grebinnik, V. G.	315
Greshishkin, A. D.	221
Grigore, I.	77
Grigorescu, D.	75
Grigor'yev, A. A.	2
Grigor'yeva, L. V.	288
Grinberg, A. A.	188
Grinberg, G. A.	322
Grinev, Ye.	19
Grishko, A. N.	186
Gritchenko, Z. G.	245
Grobov, V. A.	330
Grochowski, Z.	68
Grodzenskiy, D. E.	170
Grosbois, Charles	138
Grozovskiy, T.	7
Gruescu, I. S.	78
Grund, W.	57
Gruzin, P. L.	313

Guarini, G.	178
Gubareva, M. A.	311
Gubler, Ye. V.	266, 279
Gudimovich, V. P.	24
Gukasyan, A. B.	351
Gulyayev, G. I.	209
Gulyayeva, L. A.	254
Gurau, Andrei	74
Gurevich, B. L.	249
Gurevich, M. I.	266
Gurevich, S. M.	306
Gurvich, I. V.	332
Gusev, V. D.	257
Gus'kova, A. K.	275
Guzhovskiy, V. Ya.	314
Gvozdarev, I.	10
Gvozdetskiy, V. S.	202
Gzovskiy, M. V.	243

- H -

Ha, Ang-ch'on	130
Ha, Hoa	122, 123,
	124
Ha, Que	124
Ha, Van	124
Haas, Andras	199, 240
Haastert, H. P.	236
Haddad, E.	105
Hadi, Soejono	139
Hadjeres, Sadek	107
Hadorn, E.	178
Haduch, S.	179
Haefner, H.	191
Hahn, H.	194
Hai, Po	116
Haissinski, M.	316
Halbertsma, K. T. A.	292
Halperin, Ernst	155
Haltenberger, Michael	89
Halvorson, H. O.	293
Hamamoto, E.	300
Han, Kuang	115
Hanf, H.	227
Hans, A.	190
Hans, M. J.	293
Hansen, H. H.	144

Hanssen, C. J.	238
Haraszti, Istvan	59
Hardjosuwignjo, Bintarto	117
Haring, Z.	113
Harmel, Mohamed	107
Haroche, Charles	81
Harveng, I.	228
Hashimbegovich, Selmo	90
Haskin, Y.	104
Hasler	94
Hatano, Kanichi	130
Haupt, J.	58
Hauptvogel, H. W.	232
Hazard, R.	189
Hecht, F.	192
Hedervarr, Peter	259
Heerens, C. H.	152
Heese, A.	143
Heiden, Horst	81
Heider, H.	51
Heikel, P. E.	292
Heilig, H.	237
Heinen, L.	235
Heinrich, E.	229
Heisenberg, W.	340
Helge, K.	98
Helmbold, W.	294
Hendrych, V.	93
Henning, A. H.	308
Henriksen, Preben	99
Hettche, H. O.	193, 195
Heyde, H.	55
Heynert, G.	235
Hideo, Yonezawa	115
Hidesato, Numata	130
Hikita, Toyohiko	178
Hikita, Toyoshiko	179
Hintenberger, H.	193
Hix, Antonin	204
Ho, Tso-hsiu	137
Ho, Yu	115
Hoai, Nam	140
Hoai, Phuong	122
Hoang, Hai	134
Hoang, Huu Nhan	125
Hoang, Minh	122
Hoang, Tung	125, 126

Hoang, Tuy	126
Hoang, Uoc	133
Hoff, Henry	101
Hofges, H.	236
Hofmann, W.	234
Hoidan, Maria	76
Hoigne, Jurg	191
Holluta, J.	178
Holm, H.	101
Hondros, D.	205
Honig, F.	231
Horn, W.	236
Ho, Si Than	125
Houwink, E. H.	292
Hover, H.	232
Hrgian, A. H.	252
Hsin, Ming	117
Huang-T'ung	127
Huebner, W.	57
Hung, Fu-ming	203
Huratov, P.	12
Hurmetbek, B.	120
Hurtig, Theodor	89

- I -

Iacob, M.	76
Ianculescu, P.	79
Ibragimov, M. Kh.	329
Idelson, Bebe	113
Idlis, G. M.	169
Igitkhanyan, A. M.	283
Ignatenko, V. P.	202
Il'ichev, L.	32
Il'in, I. A.	251
Il'ina, L. I.	269
Il'inskiy, V. M.	223
Ilenko, Ye.	23
Il'yuchenok, R. Yu.	290
Imagilova, R.	34
Imamura, J.	196
Imanaka, H.	342
Indenbom, M. L.	184
Infante, F.	294
Ingrad, Pietro	151
Ioffe, S. B.	223
Ionescu, Gabriel	79

Ioncv, I. I.	322
Iordanskaya, L. N.	348
Iosif'yan, A. G.	222
Iovchuk, M.	40
Isanin, A. I.	161
Isayev, I.	10
Isayev, V. K.	321
Ischebeck, P.	235
Ismagilova, R. M.	114
Ismailov, R. G.	13
Ito, Kan	240
Ivanoff, Madeleine	76
Ivanov, A. V.	2
Ivanov, P. A.	303
Ivanov, V. A.	198
Ivanov, V. I.	314
Ivanov, V. K.	249
Ivanov, V. V.	349
Ivanova, Ye. A.	284
Ivanov-Muromskiy, K.	352
Ivanovskiy, G. I.	20
Ivantsov, L. I.	285
Iveronov, I.	256
Izmaylov, A.	344
Izotov, A. A.	247

- J -

Jackowski, Marcin	70
Jagielski, B.	86
Jagielski, M.	67
Jagielski, Mieczyslaw	66
Jaho, S.	258
Jakel, W.	234
Janak, J.	187, 190
Janiche, W.	235
Jankiewicz, Z.	86
Jankovic, Ljubomir	45
Janowski, Jan	241
Jansson, Axel	101
Jaquet, P. A.	305
Javorina, Sa Sa	91
Jaworski, Wladyslaw	61
Jeancolas, M.	227
Jedynak, Andrzej	70
Jeschar, R.	230
Jeziorowska, Jozefa	61

Jonard, R.	293
Joshi, P. C.	128
Jost, F.	298
Jovicic, Ratko	91
Julien, Claude	155
Jung, R.	233
Junius	99
Juza, R.	194

- K -

Kachanov, O. D.	30
Kadar, Istvan	59
Kadirov, N. B.	216
Kaehyok, Kim	139
Kagan, V. G.	201
Kahuda, Frantisek	92
Kalabukhov, F. V.	7
Kalashnikov, N. I.	346
Kalaydzhiyev, Ivan	44
Kalaydzhiyev, Vl.	291
Kalinin, Yu.	173
Kalmykov, I. I.	160, 161
Kalmykov, P. Ye.	213
Kaltoven, Gotthold	51
Kalugin, B. A.	224
Kaluzynski, Zbigniew	86
Karmal, Uno	5
Kanbay, G. G.	284
Kaner, B. L.	8
Kao, Hui-min	115
Kapelyushnikov, G. I.	8
Kaplan, A. S.	22
Kaplan, P. M.	280
Kaplan, S. A.	166
Karal'nik, S. M.	343
Karczewski, Z.	67
Karmasin, Miroslav	316
Karnov, M. Ya.	217
Karpenko, V. G.	1
Karpilovskiy, L. D.	275
Karpov, E. F.	326
Karpov, R. G.	223
Karpulin, P.	35
Karteva, Valentina	74
Kasapic, Milos	46
Kasatochkin, V. I.	212, 303
Kashkarov, V. P.	320, 323
	334
Kashuba, A.	20
Kasnezi, P.	258
Kasperovich, A. S.	213
Kasprzyk, Wieslaw	65
Kathrein, A.	310
Katomin, B. N.	304
Kats, A. G.	254

Katsarov, Ivan	44
Katys, G. P.	223
Kaufmann, H.	294
Kautsch, Rudi	337
Kayushin, L. P.	201
Kazachkovskiy, O. D.	313
Kazakov, P.	10
Kazenskiy, G. S.	315
Kazanskiy, N.	12
Kazarinova, V. I.	3
Kazinskiy, V. A.	215, 249
Keh, Zygmunt	66
Kehrer, G.	89
Kekkonen	100
Kekkonen, Urho	100
Keldysh, M. V.	353
Kellerman, R.	233
Kepa, Janina	62
Kerese, Janos	59
Khadzhilov, Khr.	279
Khakhlachev, S.	18
Khalabuzar, V. G.	182
Kharchenko, I. F.	313
Khazanov, V. S.	174
Kheyfets, Ya. M.	255
Kheylo, E. S.	167
Khilmi, G. F.	166
Khilobochenko, Leonid Samsonovich	3
Khlebnikov, Viktor Borisovich	4
Khol' F.	311
Khorin, Ya. D.	22
Khoroshanskaya, D. L.	246
Khorre, D.	164
Khoubessarian, Dikran	226
Khramov, D. H.	245
Khramov, D. N.	246
Khristov, L. M.	272
Khromov-Borisov, N. V.	164
Khrushchov, G. K.	173
Khudenko, B. G.	159
Khudosovtsev, N. M.	20
Khundanov, L. Ye.	265
Khurgin, Ya.	276
Kiaer, J.	292
Kida, Katsuzo	197

Kielkiewicz, J.	67
Klenow, S.	194
Kiesel, K. L.	234
Kikitin, V. N.	327
Kiknadzo, V. D.	266
Killiches, N.	53
Kim, Gyonghwoe	131
Kim, Ok Soon	131
Kinoshita, S.	300
Kireyev, P. S.	328
Kirianenko, Alexis	305
Kirillov, V. I.	35
Kir'yanova, Z. V.	13
Kislovskoy, S. V.	1
Kiss, I.	316
Klassen, V. I.	303
Kleczeck, J.	346
Klein, H. C.	233
Kleiner, K. E.	185
Klemenkov, V. S.	224
Klimenko, K.	26
Klimenko, V. L.	351
Klingel, C.	298
Kloczek, F.	67
Kloczek, Franciszek	70
Kloss, Albert	204
Klyachkin, A. L.	215
Klychnikov, S. O.	217
Kmact, J.	292
Knappel, H.	191, 194,
	237
Knuth, R.	258
Kobozev, N. I.	185
Kobyakov, N. M.	290
Kocher, F.	188
Kocherga, N. G.	201
Kochyachenko, G.	11
Kocielecki, Tadeusz	72
Koen, R.	291
Koenig, G.	231
Koesoema, Aunan	118
Kocsoemodirajo, Jocs	118
Kogen, A. Kh.	270
Kogen, S. D.	329
Kohler, E.	236
Kohlmeier, G.	50
Kohnlein, H. E.	297

Kolarov, Petur	90
Kolchins'ka, A. Z.	273
Kolesnik, L. N.	167
Kolesov, V. Ye.	313
Kollerov, L. K.	350
Kolmakov, S.	14
Kolmogorov, V. L.	222
Kolodtsev, K. I.	220
Kolomiyets, M. F.	30
Kolomiyets, N. G.	351
Kolomiytsev, A. K.	201
Kolshanskiy, G. V.	349
Komarov, N. M.	261
Komarov, N. N.	334
Komers, R.	190
Komorovski, Yu. T.	277
Kompantsev, N. F.	268
Konakov, P. K.	320
Kondratov, A.	203
Kondrat'yev, K.	16
Konforti, Joseph	90
Konig, P.	307
Kononov, B. P.	334
Kononov, V. A.	187
Kononov, V. N.	312
Konorov, L. A.	159
Konovalova, K. A.	3
Konshin, M. D.	210
Konstantinova, V. V.	263
Kootz, H. Neuhaus	237
Kootz, T.	237
Kootz, Theo	237
Kopczynska, J.	94
Koppe, H.	341
Kopylov, G. I.	315
Korac, Jan	72
Korayum, V. A.	172
Korkisch, J.	192
Korner, S. B.	332
Kornai, Janos	59
Korobkova, Ye.	11
Korol'kova, T. A.	264
Korolyev, Boris Ivanovich	208
Korotkiy, Yu. G.	161
Korotkov, P. F.	316
Korovin, Ye.	36
Koroyed, A. S.	5

Kosa-Somogyi, I.	316
Kosenko, V. E.	311
Koshelev, N.	12
Kostandov, L. A.	15
Kostenko, S. K.	288
Koster, W.	307
Kosterin, S.	220
Kostrygin, V. A.	202
Kosyachenko, G.	9
Kotik, I.	21
Kotorowicz, Halina	95
Kotwica, Kazimierz	70
Kou-yu	334
Kovalenko, T. M.	270
Kovalenko, Ya. R.	281
Kovalev, P. F.	201
Kovalev, S. A.	2
Kovylin, V. M.	252
Kowalow, S.	86
Kowalsi, A.	68
Kowalski, Alfred	86
Kozakevitch, P.	306
Kozintsev, G.	40
Kozlov, G.	17
Kozlov, N.	14
Kozlova, O.	31
Kozlovskiy, V. A.	4
Kozomara, Olga	91
Kozubovs'kiy, S. F.	210
Kozulin, N. A.	216
Krachter, H.	233
Kracik, B.	335
Krasovskiy, A. A.	202, 210
	326
Krasovskiy, F. N.	215
Krasovskiy, V. I.	243
Krasuski, T.	68
Krasuski, Tadeusz	71
Krauch, H.	192
Kravchenko, U. S.	326
Kravchenko, V. S.	208
Kravchuk, E. M.	323
Kravchuk, L. V.	320
Krechetov, I.	182
Kreisky, Bruno	100
Kremer, Yu. N.	174
Krems, A. Ya.	4

Kreowski, J.	68
Krichevskiy, E. M.	209
Krinchev, Khristo	44
Krinskiy, V. I.	322
Kripyakevich, P. I.	187
Kristinsson, Valdimar	98
Krivenko, Ya.	19
Krivinka, Rudolf	96
Krizek, Josef	48
Krndija, Drago	46
Krokhin, S. I.	242
Kron, M.	306
Kronmuller, H.	238
Kropac, Ladislav	48
Kroposzynski, Tadeusz	64
Krstic, Mikaila	91
Kruger, H.	233
Krul, A. R.	118
Krupyanko, V. Ye.	275
Krupyanskaya, V. Yu.	41
Krustanov, Hristo	44
Krylov, Viktor	
Aleksandrovich	200
Kryndin, A. N.	252
Krysiak, Stanislaw	72
Krysov, A.	36
Kryvelev, I. A.	42
Krzak, Marian	62
Krzeminski, Janusz	65
Kuch, I.	36
Kuchayev, V. L.	328
Kucherevskiy, G. A.	223
Kucherov, P.	19
Kudin, Sergei Nikolayevich	3
Kudrevskiy, A. I.	315
Kudryashev, I. T.	211
Kudryashov, Yu. B.	269
Kudryavtsev, G. I.	224
Kuemmel, F.	337
Kukhtevich, V. I.	312
Kukolevskaya, Ye. V.	269
Kukushkin, S.	32
Kul'berg, P.	38, 250
Kulikov, D. K.	211
Kumlin, T.	292
Kunze, G.	85
Kuo, Chi'chou	127

Kapriyanov, F. S.	15
Kaptsevich, Ye. N.	285
Karaji, Ansel	129
Kardyumov, G. V.	304
Karilko, V. I.	313
Kurklinska, Krystyna	65
Kurmanov, I. A.	285
Kurochka, A. L.	29
Kurylko, V. I.	343
Kurz	64
Kurzhals, K.	52
Kuzenko, F. G.	163
Kushnirenko, Ye. A.	315
Kusov, V. N.	277
Kutateladze, S.	329
Kutateladze, S. S.	319, 324
Kutek, Josef	162
Kutin, A. M.	201
Kuzivanov, V. A.	253
Kuzmich, V.	35
Kuznetsov, A. N.	221
Kuznetsov, A. V.	346
Kuznetsov, F. T.	42
Kuznetsov, V. M.	333
Kuznetsova, K.	6
Kuznetsova, R. I.	304
Kvitka, A. L.	327
Kvlividze, V. A.	332
Kytoniemi, T.	186

- L -

Le, Huu Quang	121
Laczkowski, Bohdon	64, 82
Laermann, K.	234
Laffitte, E.	335
Laguntsov, I. N.	304
Lajos, Simonyi	60
Lancheva, V. P.	39
Land, Gyorgy	60
Landau, L. D.	331
Landau, T.	68
Landgraf, H.	228
Landru, Rene	112
Leng, Nicolas	107
Lengguth, H.	57
Lepierre, Charles	177

Laponohov, O. M.	30
Larkin, A. I.	311
Larsen, Aksel	99
Laskavski, W.	197
Lassen, L.	258
Latinak, J.	187
Latour, A.	235
Laurat, Lucien	146
Laurent, Paul	147
Lauterbach, D.	258
Lavon, P.	113
Lavrent'yeva, G. A.	348
Lavrova, N. A.	350
Lavrukhina, A. K.	168, 328
Lazarev, P. P.	214
Lazarev, V. G.	218
Lazitch, Branko	146
Le, Duy Khiem	124
Le, Linh	141
Le, Thanh Nghi	126, 134
Le, Trung Viet	123
Le, Tu	121
Le, Van Giam	133
Le, Viet Huong	124
Le, Vinh	121
Lebede, A. P.	351
Lebedev, V. P.	185
Ledvina, M.	162
Lee, Che Yoon	131
Lefort, M.	316
Lefort, Marc	189
Legkopudova, A. I.	284
Legrand, I.	77
Lehmann, K.	68
Lehmann, R.	54
Lehner, G.	339
Leite, F. L.	271
Leitner, K.	231
Lelikov, A.	28
Lennartz, G.	307
Lenskiy, V. S.	326
Leo, R.	309
Leonhard, Wolfgang	82
Leont'yev, A. I.	319, 324
Leont'yev, A. N.	286
Leontyev, L.	325
Lepetre, J. P.	148

Leroi-Gourhan, Andre	136
Leroux-Robert, J.	293
Leroy, Roland	145
Leshchenko, P. D.	288
Leskov, A.	19
Lesniak, Antoni	241
Lessman	340
Leszczyk, Antoni	72
Letavet, A. A.	200
Letu, N.	77
Letunov, S. P.	275
Levenberg, I. G.	285
Levi, R.	144
Levinskiy, Yu. V.	182
Levitskiy, S. M.	202
Levoitne, N. A.	271
Levy, J. P.	227
Leypunskiy, A. I.	313
Li, Ch'i-t'ao	136
Li, Chongha	139
Li, Cho-pao	137
Li, Chun	257
Li, Jun-chih	116
Lieberman, A. Ye.	273
Libinzon, R. Ye.	263
Librovich, L. S.	246
Lielausis, O.	325
Ligaj, Aleksander	87, 88
Linder, J.	336
Lindner, Roland	195, 316
Linkun, N.	28
Lipman, R. A.	329
Lis, Marian	70
Litvin, F. F.	271
Litwiniak, F.	66
Liu, Yan-chu	222
Livshits, L. S.	206
Loeck, K.	229
Lokay, V. I.	160
Lokshin, E. Yu.	1
Lokshin, R.	17
Longo, Luigi	151
Lopetskiy, V.	311
Lopez, G. Rodriguez	301
Lorenz, Rolf J.	295
Lorenz, V.	186
Lorich, H.	229

Losvinov, K. T.	252
Lovchikova, G. N.	314
Lu, Ping	138
Lubman, E. U.	201
Lubsandorj, P.	120
Lubtsamabaan, D.	119
Lucke, F.	237
Lukacs, Jozsef	82
Lukomskaya, A. M.	350
Luk'yanov, A. A.	312
Luk'yanov, S. Yu.	313
Lummert, H.	298
Lund, Gelius	100
Lupan, Yu. A.	343
Luppov, S. P.	350
Luria, A. R.	267
Lushnikov, F.	345
Lussu	149
Lux, Laszlo	60
L'vov, K. M.	201
Ly, Ben	122
Lyamichev, I. Ya.	327
Lyapunov, K. A.	350
Lyubavin, N.	28
Lyubimov, B. I.	282
Lyubimova, V. V.	4
Lyudkovskaya, R. G.	171
Lyusov, A. I.	27

- M -

Macasek, I.	188
Macek, Josef	61
Madej, Zbigniew	63
Maeda, Shiro	136
Maga	107
Magnitskiy, V. A.	249
Magnusson, J.	177
Mahlke, Wolfgang	53
Mahn, Rudi	51
Mairy, Claude	305
Maistrova, T. L.	219
Majevski, Stanislaw	62
Makarov, A. V.	24
Maksimov, F. O.	39
Maksimov, G. I.	24
Maksimov, N.	344



Makarchenko, O. F.	273	Matsui, S.	178
Maksimov, V. S.	324	Matsui, Takso	240
Malavard, L.	227	Matveyev, A.	36
Malevanov, N.	38	Matveyev, L. T.	252
Malkin, S. A.	1	Matveyev, Yu. M.	209
Malkin, V. I.	311	Matveyev	185
Malkov, V. M.	6	Matzka, Hans J.	195, 316
Malmeyster, A.	325	May, R.	316
Malovichko, A. K.	247	Maydanik, K. L.	4
Mal'tsev, V.	36	Mayorskiy, G.	21
Malysowa, E.	68	Mazgaj, W.	60
Manelis, R. M.	223	Medici, M.	240
Manescu, Radu	74	Medvedev, N.	282
Mannucci, E.	299	Mehnert	58
Manuelli, E.	144	Meier, E.	55
Manvelyan, M. G.	217	Meixner, J.	336
Manzyuk, S. G.	174	Mekenitskiy, S. Ya.	21
Maracic, Nikola	45	Mekones, Samuel	106
Maranzana, G.	309	Melching, H. J.	295
Marozak, Edward	72	Melent'yeva, G. A.	270
Morek, Franz	146, 149	Molesnikov, S. I.	328
Morgolis, L. Ya.	184	Mel'gunova, T. M.	268
Morian, P.	77	Melik-Aldmazarov, A. F.	217
Mariani, M.	300	Mel'nikov, Yu. N.	213
Marinescu, I.	77, 78	Menge, W.	89
Marinescu-Firica, M.	74	Merenteanu, M. Gr.	88
Marinide, C.	88	Merlin, V. S.	287
Markin, P. S.	328	Meron, Dov	108
Markin, V. A.	251	Mertsalov, A. N.	255
Markov, A. A.	355	Meskh' Iya	351
Markovich, Stefan	45	Messner, Pierre	152
Markushevich, A. I.	261	Metlitskiy, L. V.	161
Marsak, J.	260	Meyer, G.	237
Marshak, I. S.	224	Meyer, J.	231
Martin, H.	228	Mesentsev, S.	32
Martin, J. F.	294	Michalica, Karel	48
Martynkin, F. F.	15	Michel-Levy, Mireille	189
Mashal, Y.	113	Miesowiczowa, Krystyna	95
Mashkovich, V. P.	314	Mikhailov, A. I.	315
Mashkovich, S. A.	255	Mikhailov, H. V.	186
Mashkovskiy, M. D.	290	Mikhailov, V. A.	272
Masin, A.	306	Mikhaylov, A. A.	169
Maskovski, M. D.	282	Mikhaylov, L. M.	321
Maslennikov, N. I.	217	Mikhaylov, N. I.	2
Maslov, P.	9	Mikhaylov, V. L.	14
Mathe, Georges	293	Mikheyev, M. A.	321
Matorin, P. V.	328	Mikheyev, V.	2
		Mikhlin, D. M.	180

Mikk, I. R.	324	Morgulis, N. D.	222
Mikov, D. S.	247	Moriuchi, S.	342
Mileff, Cl.	294	Moroz, Piotr	71
Millas, Orlando	157	Morozov, I. S.	181
Millerioux, Denise	145	Morozov, K. V.	35
Milyutin, V. I.	330	Moshnin, E. N.	217
Minder, D.	164	Moskacheva, K. A.	268
Minecki, Leopold	300	Mueller, H.	55
Mineyev, V. A.	6	Mulders, O.	307
Mineyeva, M. N.	255	Muller, E.	294
Ming, K'o	115	Muller, Erwin, W.	340
Minkh, A. A.	186	Muller, H.	53, 307
Miron, Ion	179	Muller, J. H.	293
Miroshnikov, L. D.	250	Muller, Stefan	79
Miroshnychenko, V. I.	343	Muller, W. J.	308
Misclyuk, E. G.	311	Mulyukin, F. P.	29
Mit'kina, Ye. A.	320	Munenc, Minei	37
Mitov, G.	291	Murakami, K.	196
Mitsche, R.	308	Muratov, P. G.	29
Miyama, H.	342	Murin, A. N.	312
Mitrachi, Robert	108	Musatov, V. V.	218
Mkhitaryan, A. M.	324	Mushnikova, K. S.	175
Mladenov, Boris	43	Muslin, Ye.	290
Mauldin, S.	289	Murseep, P.	325
Monchim, Mirosław	48	Myasnikov, Aleksandr	
Mońrzejowski, Jan	70	Leonidovich	263
Mogutnov, B. M.	311	Myasnikov, A. S.	202
Mohm, Albert Henrik	109	Myasnikov, L. A.	275
Mohring, H.	237	Myasnikova, I. A.	280
Moiseyev, A. A.	25	Myznikov, K. P.	315
Moiseyev, G. P.	222		
Moiseyev-Novosibirsk	333	- N -	
Moiseytsev, P. I.	273		
Molchanov, V. A.	333	Nadtochnyy, V. G.	314
Moll, G.	230	Nagasawa, Ariaki	179
Molnar, Jeno	79	Nagy, Angela	60
Molochnov, G. V.	331	Nagy, Arisztid	74
Molotkov, V. A.	303	Nakamatsu, Yoko	119
Moltke, Kai	99	Nakano, Takamasa	136
Moncarelli, E.	305	Nakayama, K.	300
Moncot, J.	226	Namesnikov, V. S.	214
Monin, I. F.	215	Namsch, W.	194
Monod, Th.	111	Natalze, R. G.	287
Norales, J. M.	301	Natanson, I.	261
Moravec, Jiri	48	Naumann, H. D.	205
Moraved, Emil	40	Naumenko, V.	22
Mordvinkin, N. A.	29	Naumova, T. S.	289

Naville, Pierre	150
Nazarov, I.	28
Nebylitsyn, V. D.	287
Nedorost, M.	187
Nefedov, V. D.	312
Negovskiy, V. A.	274
Neidhardt, P.	346
Neihle, M.	307
Nekrasov, L. I.	332
Nelipa, N. F.	318
Nemchinov, V.	9
Nemirovskiy, P. A.	7
Nemov, Ye.	18
Nenni, Pietro	149
Nepomnyashchikh, A. A.	247
Nesterin, M. F.	278
Neumann, H.	234
Neumann, K.	227
Nevizhin, M. F.	302
Nevskaya, V. A.	303
Neyfel'd, I. Ye.	208
Neyman, R. I.	209
Ngo, Du	140, 141
Ngo, Huu Ba	125
Nguyen, Cong Hoa	141
Nguyen, Dai	123
Nguyen, Dang Bao	260
Nguyen, Duc Thinh	123
Nguyen, Duy Ngo	121
Nguyen, Duy Trinh	125
Nguyen, Hong Van	133
Nguyen, Hun Quang	133
Nguyen, Hung	123
Nguyen, Huu Thac	124
Nguyen, Thanh Bing	125
Nguyen, Van Phuong	122
Nguyen, Van Vinh	133
Nguyen, Xuan Lai	121
Ngy, Erno	347
Nichiporovich, A. A.	174
Niewodniczanski, Henryk	317
Nikiforov, A. V.	42
Nikolayev, A. A.	7
Nikolayev, B. A.	210
Nikolayev, M.	33
Nikolayev, M. N.	314
Nikolayev, Yu.	344

Nikolayeva, L. G.	343
Nikolayeva, T. M.	349
Nikol'skiy, B.	286
Ninov, N.	291
Nishigaki, Susumu	197
Nishniyanidze, O. A.	6
Niskanen, E.	177
Nomofilov, Ye. V.	329
Nonev, Bogomil	90
Norlund, Ib.	99
Norob, L.	119
Novik, D. A.	334
Novik, L. M.	302
Novikov, I. P.	262
Novikov, M.	36
Novikova, L. A.	267
Novotny, I.	170
Nowak, K.	68
Nunner, W.	237
Nurnberg, W.	236

- 0 -

Oberfel'd, A. F.	273
Oberst, Eberhard	230
Obezov, B.	5
Obolonchick, N. V.	185
Obolonskiy, A. P.	210
Obraztsov, S. A.	4
Odintsova, A.	22
Oechsner, H.	339
Oeter, F.	194
Oeters, F.	191, 237
Ogibalov, P. J.	326
Ohki, K.	206
Ohnesorge, A.	232
Ohser, Walter	53
Olaf, Jorn	339
Oldenberg, O.	169, 340
Olesen, M.	292
Olewinski, Marian	66
Oleynikov, V.	12
Olsen, K. L.	260
Olzak, Wacław	342
On, Z.	105
Onykiyenko, V. V.	30
Opel, P.	229

Oregina, A. B.	167
Orlov, A. Ya.	248
Orlov, I. N.	327
Orlov, V. V.	312
Orlovich, T. M.	222
Orzechowski, Remigiusz	73
Oshe, A. I.	332
Osterling, Kjeld	81
Ostrowski, J.	87
Otto, E.	296
Ovio, G.	299
Ovsiannikov, B. V.	160
Ozeretskovskiy, D.	289

- P -

Pachner, J.	342
Paciorkowski, J.	241
Packowski, Zbigniew	347
Pacltova, Blanka	96
Pacner, Karel	346
Pacyna, H.	232
Padgayetskiy, V. V.	210
Paez, M. A. Santander	154
Pageard, R.	112
Pal, Kschwendt	59
Palomo, T.	301
Panchev, St.	256
Panichev, A.	18
Panov, M.	19
Paramonov, A. N.	252
Pardi, Imre	59
Parin, V. V.	275
Paris	206
Pasechnik, I. P.	329
Pashkov, A.	9
Pashkov, P. O.	319
Pashuto, V.	41
Parfenov, V.	19
Patona, B. Ye.	207
Pattova, N.	292
Paul, Dieter	57
Paunovic, Ljubomir	343
Pavlichenkov, V. I.	3
Pavlov, S. A.	26
Pavlygina, R. A.	264
Pawelski, O.	336

Pawlowski, Jozef	72
Pechoryna, I. M.	211
Peczak, J.	68
Peczak, Jerzy	71
Pejovic, Momcilo, V.	47
Pelc, K.	67
Pelczarski, Stanislaw	69
Pels Leusden, C. O.	230
Penkin, M.	40
Perchikova, G. Ye.	274
Perevertaylo, A. S.	133
Perkas, M. D.	304
Pershin, G. G.	327
Pervas, A. I.	38
Perzynski, Z.	64
Pesante, T.	240
Pessi, Ville	101
Peter, Romsa	262
Peters, F. K.	236
Peteshev, V. M.	277
Petrenko, F.	32
Petrenko, I. G.	330
Petrov, I. R.	266
Petrov, M.	43
Petrov, Ye.	345
Petrova, Yu.	207
Petrovic, D.	91
Petrovskiy, B. V.	274
Pettenkofer, H. J.	294
Petukhov, B. S.	323
Pevzner, B. R.	340
Pfeifer, Guenter	198
Pham, Quang Hieu	140
Phan, Quang	125
Picasso, G.	309
Pigulevskiy, G. V.	174
Pimenov, V.	32
Pinchuk, V. M.	279
Pinkhasik, M. S.	313
Pinus, E. A.	171
Pirogov, I. M.	214
Pirozynski, Zbigniew	62
Pisarzhevskiy, Oleg	34
Pisarenko, N. F.	345
Pivko, Svetopolk	162
Pizin, Ye. I.	182
Plachy, D. E.	52

Plasari, Noreci	81	Portnoy, K. I.	181, 182
Platzer	189	Posner, C.	295
Plekhev, I. M.	216	Pospelov, P. N.	353
Plessing, R.	308	Pospelova, Z. K.	277
Pleszczynski, W.	95	Pospiech, A.	66
Plocica, Albin	73	Postnikov, M. M.	261
Plockinger, E.	193	Potapov, L. P.	41
Plojhar, Josef	96	Potashov, L. V.	274
Plonskaya, Ye. I.	265	Potz, M.	231
Ploski, Wladyslaw	259	Pozdnyakova, R. A.	264
Plotnikov, K.	11	Pradel, Jacques	258
Plyushchev, V. Ye.	186	Prechistenskiy, S. A.	244
Pobiyakho, V. A.	251	Predvoditelev, A. S.	319, 323
Podani, Elena	76	Preobrazhenskaya, L. A.	265
Poddubnyy, I. Ya.	182	Presman, A. S.	271
Podgorinov, Anatoliy		Pressat, Roland	138
Leonidovich	3	Pribok, V. P.	172
Poetschke, G.	296	Prietz, F.	297
Poetz, E.	235	Priorov, N. N.	272
Poirier, Jean	138	Pritulin, P. I.	285
Pojda, Jan	63	Procopovici, E.	241
Pokorny, J.	346	Prodanov, P.	176
Pokrovskiy, G. I.	344	Prokhorov, A. M.	328
Poletayeva, V. M.	283	Prosin, A. V.	200
Polevoy, B. P.	350	Prostakov, M. P.	285
Polevoy, T. N.	175	Prudnikov, M. M.	327
Polovin, R. V.	222	Pszenicki, Maksymilian	65
Polovinchenko, A.	2	Ptushinskiy, Yu. G.	343
Poluektov, N. S.	318	Puchezalt, J.	316
Polushina, T. V.	275	Puebla, Juan Vargas	157
Polyak, B. L.	284	Pugovkin, A. V.	303
Polyakov, Yu. A.	320	Pulin, D. A.	328
Polyanov, N.	31	Pungartnik, K.	231
Pomey, G.	305	Pupke, Gerhard	56
Ponikowski, Marian	65	Fuschmann, H.	55
Ponomarenko, G. I.	7	Pushkov, N. V.	243
Ponomarev	36	Puzich, Shefkiya	90
Ponomarev, K. K.	317		
Ponomarev-Stepnoy, N. N.	313		
Poperechnyy, A.	11		
Popescu, G. F.	77		
Popov, A.	32		
Popov, K.	15		
Popov, K. V.	182		
Popov, S. N.	334		
Popovici, M.	95		
Porkert, O.	236		

- R -

Rabinovich, A. D.	13
Rabinovich, M. S.	217
Rabinovich, M. Ya.	267
Rabinovich, N. M.	212
Rabinovich, P. M.	220
Rabinovich, V. M.	27
Rabinovich, Z. L.	201
Raboaca, Gh.	75
Radeker, W.	236
Raffo, Carlos Valdano	156
Rafnar, Johas G.	97
Rainiss, Lajos	178
Rajewski, Zenon	61, 63
Rakovs'kiy, B. M.	211
Rakowski, M.	66
Rakowski, Mieczyslaw F.	83
Randak, A.	193
Raonish, Mirko	46
Rastegayev, L. F.	162
Rauchfuss, W.	50
Raykhlin, R. I.	224
Razin, V. A.	166
Rehn, J.	297
Reifenschweiler, O.	336
Reimann, Dieter	56
Reimann, H. F.	199
Remezov, P. I.	285
Remizov, O. V.	319
Renoux, Andre	258
Repetur, Berl	108
Reusse, U.	298
Revinov, V. N.	302
Revzin, I. I.	349
Reykhruel', E. M.	224
Rheingold, Otto	152
Ribeiro, Ivan Ramos	155
Richling, W.	234
Richter, R.	57
Riehle, M.	234
Rina, Alessandro	259
Rimashevskaya, N.	22
Ripianu, A.	159
Rizhkov, I. I.	1
Riznichenko, I. V.	329

Robiner, I. S.	286
Robinsohn, Isak	238
Roca, Blas	156
Rochet, Waldeck	145, 147
Roeckl, K. W.	295
Roeslan, Abdulgani	129
Rog, Stanislaw	65
Rogacheva, S. A.	263
Roginskiy, V. N.	219
Roll, Albert	309
Rolstad, Arve	102
Rolvink, W.	292
Romagnoli, Luciano	150
Roman, Zoltan	59
Romand, J.	106
Rosen, I. S.	8
Rosenkranz, O.	52
Rossi, G.	240
Rossi, Mario	150
Rostovtsev, B. N.	267
Rostovtsev, M. I.	2
Rougeron, C.	163
Rozanski, Henryk	64, 83
Rozantsev, E. G.	183
Rozentul, E. B.	280
Rozinskiy, Sh. A.	175
Rozov, N. N.	172
Rsebegdorj, Ch.	120
Rtishcheva, N. P.	332
Rubin, B. A.	181
Rubinchik, I. M.	208
Rubinshteyn, Yu. I.	175
Rudman, A. I.	256
Rudnev, K.	10
Rudnitskaya, M. Z.	279
Rukavishnikov, V. G.	314
Rummel, W.	50
Rummeler, H.	54
Rumyantsev, V.	8
Rusin, V. Ya.	278
Rusinov, V. S.	264
Ruskol, Ye. L.	166
Rusnak, Pavel	49
Rusakikh, V. N.	286
Rusakikh, V. V.	286

Russo, S.	262
Ruzakov, V. V.	162
Ruziyev, T.	8
Ryasnoy, A.	6
Ryazantsev, B. S.	6
Rybinkov, V. I.	7
Rybkin, A.	14
Rysina, T. N.	180, 263
Rzhanova, T. B.	174

- S -

Saakyan, G. S.	169
Sabass, U.	144
Sachs, Ignacy	64
Sack, R.	230
Sadovskiy, S.	9
Saeki, K.	241
Safronov, V. S.	166
Sairenji	179
Salamon, Ervin	46
Salesse, M. Marc	305
Salganik, R.	184
Sal'kova, Ye. G.	181
Sal'nikov, O. A.	314
Salokangas, J.	233
Saltanov, N. V.	327
Saltykov, R. A.	271
Samarin, V. A.	15
Samelson, K.	238
Samoilovich, G. S.	207
Samokhvalov, G. I.	183
Samsonov, O. V.	181, 209
Samuseva, R. G.	186
Sandig, A.	143
Sang-jo, Chung	131
Santsevich, M.	28
Sarbini, M.	135
Sarkisov, S. A.	289
Sarkisyan, V. S.	325
Sarkozy, Geza	205
Sarksyan, K. A.	334
Sarsanov, Kh.	17
Sarychev, V. M.	333
Savenko, I. A.	345
Savin, G. M.	218

Savinov, L. I.	212
Savitskiy, Ye. M.	187
Savitsky, Ye. Ya.	36
Savvin, A. B.	213
Saygel, A. G.	200
Scadovschii, S.	78
Scalise, M.	342
Schaaffs, W.	339
Schaeffers, W.	237
Schafer, A.	194
Schafmeister, P.	230
Schall, R.	339
Scharf, Erwin	148
Schayes, E. R.	336
Scheianu, I.	75
Scheil, E.	191
Schejbal, D.	48
Schenck, H.	230, 235,
	307
Schenker, E.	193
Schepers, A.	308
Schetehnikov, G.	11
Schick, R.	52
Schilke, W.	58
Schilling, G.	338
Schinn, R.	229
Schirmer, Wolfgang	51
Schlager, W.	231
Schlenk, Hans	49
Schmidt, F.	231
Schmidt, H.	297
Schmidt, T.	191
Schmidt, Wilhelm	164
Schmidtman, E.	307
Schmitt, K. H.	340
Schmitz, Franz	316
Schneider, A.	191
Schneider, H.	316
Schneider, M.	85
Schoberl, A.	231
Schoenfeld, Rolf	198
Scholberl, A.	308
Scholz, W.	307
Schubert, G.	164
Schult, Otto	341
Schulz, Diethard	49

Schulz, H.	230	Sharadzenidze, S.	12
Schulze, R.	238	Sharmaytis, R.	41
Schumacker, S.	298	Sharov, Vi.	251
Schumann, H.	234	Shashkov, A. G.	213
Schurmann, E.	236, 338	Shavrin, P. I.	345
Schutte, W.	143	Shcherbakov, D. I.	38
Schutz, H.	194	Shchurenkova, A. I.	288
Schwarz	53	Shchurevskiy, V. E.	281
Scoccimarro, Mauro	151	Shebanova, M. P.	183
Sebestyen, Janos	55	Shen, Kuang-ming	203
Segal, D. M.	349	Shereshevskaya, S. Ya.	249
Seiberlich, Joseph	341	Sherman, D. I.	212, 213
Selfo, Aqif	49	Sherstnev, K. M.	42
Selivanov, G. I.	315	Shestopalov, V. P.	331
Semenenko, V. E.	174	Shevtsov, M. A.	15
Semenov, N. I.	220	Sheynberg, A. I.	284
Semenov, V.	41	Sheynalin, A.	198
Semenova, M. I.	1	Shih, Chien	117
Senchenkova, N. I.	26	Shil'dkrot, M. A.	20
Senchenkova, Ye. M.	170	Shinkarev, G. M.	35
Senyk, P. M.	218	Shirokov, V. I.	333
Serbent, H.	237	Shiryayev, G. A.	23
Serdobol'skiy, I.	184	Shishkin, N. S.	321
Sereda, T. D.	255	Shishkova, I. A.	255
Sergeyev, A.	32	Shishlin, N.	33
Sergeyev, B.	344	Shishov, V. S.	161
Sergeyev, E. V.	216	Shishov, Ye. V.	323
Sergeyev, G. T.	323, 324	Shitarev, G.	32
Sergeyev, K.	345	Shitskova, A. P.	272
Sergeyev, V. L.	324	Shkabara, K. O.	201
Sergeyeva, N. M.	207	Shlapoberskiy, V. Ya.	272
Sette, Daniele	153	Shmidt, A. A.	174
Seval'neva, Polina	276	Shneyerson, B. L.	249
Severov, M. N.	221	Shogan, A. N.	289
Seyranyan, B.	111	Shoji, Makishima	197, 205
Sha'ari, Y.	113	Shorokhov, N. V.	180
Shabadash, A. L.	287	Shorygin, A. A.	171
Shabanskiy, V. P.	246	Shparo, L. A.	268
Shakhmatov, V. G.	276	Shpinev, V. F.	40, 288
Shalygiv, S.	26	Shrayber, L. B.	276
Shamrayevskiy, S. M.	277	Shtokalo, I. Z.	261
Shanin, Yu. N.	283	Shtrom, V. Ye.	21
Shapar, A. V.	312	Shtukkenberg, Yu. M.	269
Shapiro, V. D.	313	Shturkalev, Il.	90
Shapirovskiy, D.	16	Shugayev, P. V.	331
Sharadzenidze, C.	29	Shuikhine, L. A.	271



Shul'gin, I. A.	174
Shul'gina, G. I.	264
Shul'mina, A. I.	287
Shumakov, A. G.	40
Shumskiy, K. P.	320
Shvakov, A.	111
Shvedov, V. P.	245
Shvets, T. B.	264
Sidlyar, M. M.	322
Sidorov, F. F.	172
Siekierzucki, W.	73
Siepmann, H.	232
Siforov, V. I.	166
Sigrianskiy, A. M.	173
Silin, V. P.	322
Simacek, O.	93
Simakov, K.	17
Simakov, P.	41
Simova, L.	187
Sinitsyn, B. I.	312
Sinyutin, V.	9
Sipila, W.	292
Sipovskiy, P. V.	283
Sissakian, N. M.	171
Sitnikov, I. G.	255
Skabarne, Bronislav	91
Skoroklov, I. I.	332
Skrynnikova, G. N.	185
Skrypin, I. Z.	6
Skurkovich, S. V.	279
Slatineanu, R.	78
Slesarenko, V. V.	289
Slinko, M. G.	183
Slivinskiy, A. I.	20
Slobodyanik, A. P.	3
Slominski, S.	67
Slomke, K.	85
Smirenkin, G. N.	314
Smirnitckaya, G. V.	224
Smirnov, B.	22
Smirnov, I.	33
Smirnov, K. V.	278
Smirnov, N. V.	262
Smirnov, V.	2
Smirnov, V. A.	346
Smirnov, V. S.	302

Smirnova, N. P.	279
Smolyakov, V. Ya.	333
Smolyarenko, A. D.	22
Snezhnevskiy, A. V.	275, 282
Sobolev, S. L.	329, 330
Soboleva, V. I.	278
Sochivko, L. F.	283
Sokolov, A.	256
Sokolov, G. A.	253
Sokolov, V. N.	182
Sokolov, Ye. N.	267
Sokolova, Ye. B.	183
Sokolovskiy, A.	28
Sokolovskiy, S. M.	13
Sokol'skaya, A. V.	319
Solodovnikov, V.	351
Solomonik, S. S.	222
Solotin, L. I.	313
Soloukhin, R. I.	320
Solovey, Agniya Petrovna	200
Song, Yong	131
Sorm	92
Sorochenko, R. L.	169
Sorokah, M.	104
Sorokin, P. Ya.	217
Sotskov, B. S.	213
Sovegjarto, J.	239
Spath, W.	229
Spiegel, E. A.	298
Spiegelberg, K.	338
Spless, S.	54
Spitzer, H.	143
Sprenger, W.	297
Sprishevskiy, A.	10
Srb, V.	92
Stampfli, R.	296
Stancu, Vasile	206
Stanescu, D.	79
Stange, E.	232
Stankevich, I. A.	289
Stankevich, V. A.	7
Stanyukovich, K. P.	321
Starushenko, G.	33
Stassen, B.	50
Stassinat, T.	143
Staudinger, H.	229

Stavinskiy, V. S.	313
Stavisskiy, Yu. Ya.	312
Stebnitskiy, I. I.	250
Stefanovskiy, B. S.	161
Stein, H. N. I.	231
Steinecke, V.	143
Stepakov, V. I.	3
Stepanov, P. N.	2
Stepanov, V. G.	328
Stersyuk, A. M.	6
Stocker, J.	188
Stojanovic, Peter	91
Stoker, P.	143
Stolbov, F.	18
Stoletov, V.	33
Strahuber, H. F.	236
Strakhov, B. V.	185
Streber, J.	50
Stroganov, Ye. F.	354
Strohbach, H.	85
Strohm, Carl Gustaf	81
Strumpe, P.	16
Strus, Anastazja	355
Stubbe, Hans	52
Stupak, A.	111
Stupak, V. G.	313
Sturla, P.	309
Styazhkin, N. I.	348
Styro, B. I.	245
Subbotin, M. F.	168
Subbotin, V. I.	329, 319
Subotowicz, Mieczyslaw	347
Suceveanu, Gh.	310
Suda, Zdenek	93
Sudderevskiy, N.	28
Sugarragcha, Ts.	121
Sukhanov, B. I.	314
Sukhanova, V. A.	273
Sukhareva, G. E.	289
Sulakvelidze, G. K.	39
Sulcz, F.	239
Suleimanpashich, Muhidin	90
Sulmicki, Pavel	62
Sultanov, D. D.	329
Suri, B. R.	177
Svetchnikoff, V. N.	302

Svirin, I.	23
Swamy, N. K. Anantha	309
Swings, P.	257
Symonovicz, St.	66
Syromyatnikov, N. I.	181
Sysoyev, N. N.	252
Szablewski, H.	66
Szabo, I.	316
Szalay-Papai, Gabriella	258
Szarek, Jan	86
Szczepnaik, St.	67
Szczypiorski, Stanislaw	64
Szemerédi, Tibor	354
Szerwentko, Aleksander	65
Szeworska, Ludmila	255
Szmielew, Borys	259
Szpitun, Eugeniusz	86
Szulewski, Romuald	87

- T -

Tabagari, I. S.	6
Taborko, N. I.	327
Tai-k'o-lai	137
Taipale, E.	292
Taketatsu, Tomitsugu	197
Talmi, M.	113
Talyzina, N. F.	286
Tamarovich, V. V.	161
Tamas, Szekely	195, 196
Tamassy-Lentei, Ilona	195
Tamm, I. Ye.	341
Tarasov, N. I.	245
Tarasov, Ye. V.	160
Tarmann, H.	234
Tarmisto, Vello	5
Tarmisto, V. Yu.	2
Tarski, Ignacy	64
Tarusov, B. N.	269
Tarusov, V. N.	318
Tatu, Michel	34
T'au, P'ei-sheng	138
Tauscher, L.	309
Teglers, Hans Eduard	34
Teodorescu, P.	78
Teodorescu-Tintea, C.	164

Teodorovich, G. I.	254
Teplov, B. M.	286
Tera, F.	192
Terebenin, B. P.	207
Terekhova, L. G.	283
Terent'yev, F. A.	281
Terent'yeva, L. N.	41
Terfve, Jean	146
Terrien, M. J.	336
Tetsuo, Hayakawa	29
Tetsuzo, Fuwa	129
Texl, Ljubomir	48
Thomann, H.	165
Thomer, G.	339
Thorez, Maurice	31
Thormann, Kurt	191
Thorsteinsson, Sverrir	
Scheving	97
Tien, Duc	133
Tikhonov, A.	22
Tikhonov, A. N.	249
Timocin, H.	110
Timofeyev, A. N.	247
Ting, Te Ch'ang	251
Tirskiy, G. A.	161
Tischendorf, J.	56
Tishin, A. P.	160
Tishin, V. G.	315
Titarenko, I. F.	176
Titov, G.	345
Tiunov, L. A.	319
Tkalich, V. S.	327
Tochigin, A. A.	220
Todes, O. M.	320
Todgornyy, I. M.	313
Toepfer, H.	231
Togliatti, Palmiro	151
Tolj, Ivan	46
Tolstikov, V. A.	312, 313
Tolstikov, Ye.	16
Tomilin, I. A.	311
Tomljanovic, Drazena	47
Toneva, V.	290
Topchiyan, M. Ye.	320
Topchiyev, A.	345
Topchiyev, A. V.	353

Topleninova, K. A.	285
Torf, S. F.	184
Toso, O.	240
Tran, Dang	123
Tran, Dang Khoa	122
Tran, Duc	135
Tran, Tien Dung	123
Tran, Viet	122
Treitsch, H.	340
Tret'yachenko, G. N.	320
Trif, V.	77
Trinh, Trong Thuc	126
Trklja, Branko	45
Trommler, H.	54
Troshin, A. S.	172
Trouve, J.	304
Trubin, V. N.	303
Truong, Chinh	126
Tsarev, B.	182
Tselikov, A. I.	3
Tseytin, G. S.	349
Tsimand, D.	104
Tsuker, M. B.	277
Tsukhanova, O. A.	318
Tsvetkov, A. N.	200
Tsvetkov, F. F.	323
Tsvetkov, S. A.	223
Tsygankov, D. S.	176
Tsy-pin, L. M.	284
Tsy-pin, S. G.	314
T'u, Nan	127
Tuba, J.	298
Tucek, Miroslav	48
Tuczek, H.	339
Tuma, Emil	106
Tunia, Henryk	343
Turczynski, Johannes	94
Turetskiy, Sh.	9
Turkowskw, Wanda	70
Tursk, Kazimierz	70
Tylkina, M. A.	187
Tymowski, Stanislaw	
Janusz	260
Tyou, P.	190
Tyszowski, J.	37
Tyutin, I.	15

- U -

Udintsev, G. B.	255
Ueda, Ryuzo	197
Ullmann, J.	232
Ulmer, H.	307
Ul'yanov, M. Yu.	290
Ul'yanovskiy, R.	32
Umanski, E. S.	327
Unger, U.	178
Unic	162
Unterzaucher, J.	193
Upadhaya, R. N.	128
Urazayev, Z. F.	209
Urbain, G.	306
Urban, M.	66
Urrutia, Cesar Godoy	157
Utkin, L. A.	330
Utter-Bittes	164

- V -

Vaag, L.	9
Vagramyan, A	207
Vagu, P.	75
Vajta, Laszlo	60
Vakhitov, M. B.	161
Vaks, V. G.	311
Vallee, D.	162, 163
Van den Driessche, R.	293
Van, Quang	126
Van, Tien Dung	135
Varcyanya, S.	325
Varga, Ye.	31
Vargas, A. Garcia	197
Varshavskiy, Ya. M.	216
Varvarov, N.	345
Varvarov, Nikolay	344
Vasilache, Gh.	79
Vasilenko, A. T.	315
Vasilenko, V. Kh.	282
Vasilescu, Nelu	79
Vasil'ev	319
Vasiliu, C.	75
Vasil'yev, V. I.	224

Vasserman, A. L.	224
Vavilov, A. A.	216
Vaynshteyn, B. G.	3
Vaysberg, S. E.	216
Veenemans, C. F.	335
Vegter, J. J. M.	192
Vekker, L. M.	267
Velichkov, Mikola	44
Velikanov, M. A.	247
Vercellone, A.	196
Vereshchagin, I. F.	160, 327
Verger, I. I.	183
Verkhovskiy, I.	7
Vernescu, Al.	75
Vero, Jozsef	96
Vershigora, A. Yu.	243
Vershinin, S. S.	21
Veselovsky, B. K.	186
Vessey, Ede	341
Vetra, R.	4
Veydner, I. N.	251
Vianello, L.	240
Videtskiy, A.	28
Viduyev, N. G.	208
Vikhirev, A.	17
Vikhlyayev, Yu. I.	282
Viktorov, A. F.	38
Vil'chinskiy, I. K.	35
Vil'kitskiy, A.	256
Vilner, Meir	109
Vimmsaare, K.	41
Vinberg, G. G.	244
Vintera, J.	48
Vishnevskiy, N. A.	284
Vishnyakov, Yu.	36
Vitgeft, A. Ye.	172
Vitkevich, V. V.	203
Vladimirov, V. I.	176
Vladimirov, Yu. A.	271
Vladimirovich, V. P.	170
Vladziyevskiy, A.	16
Vlasyuk, P. A.	27
Vobecky, M.	335
Vogel, F.	294
Voitkovskiy, K. F.	209, 244

Vojnic, Dragmir	45
Volchev, Nikola	44
Volcker, H.	337
Vol'keyanu, A. V.	27
Volkova, P. M.	265
Vollbrecht, H.	230
Volodina, N. V.	283
Voloshin, I. F.	213
Volzhenskiy, A.	211
Vomastek, Frantisek	48
von Blumenstein, E.	308
von Bogdandy, L.	237
von Euler, H.	294
von Heidenstam, Erik Johan	228
Von Hye, H.	235
von Spee, W.	235
Vorob'yev, A. A.	202
Vorob'yev, G. A.	202
Vorobyev, Yu. V.	261
Vorobyeva, O. K.	329
Vorschilov, V. I.	167
Voskresenskiy, V. V.	215
Voynov, V. K.	349
Voznesenskiy, A. D.	40
Voznyakovskaya, Yu.	181
Vu, Duc Than	126
Vu, Po	122
Vu, Tu	133
Vulis, L. A.	320, 323, 334
Vyshelasskiy, S. N.	281

- W -

Wagner, Melmut	57
Waldmann, Von L.	340
Walewski, Janusz	71
Walther, Gerhard	204
Wang, Tuan-Jang	203
Wardzinski, E.	69
Weber, Heinz	82
Weigold, S.	230
Weinmann, K.	191
Weiz, H.	54

Weller, A.	195
Wentowski, Franciszek	71
Wernze, H.	297
Westerboer, Ingo	339
Wever, F.	307
Wieckowski, Kazimierz	63
Wiemer, A.	54
Wierzba, Henryk	206
Wierzbicki, Jerzy	70
Wilkens, M.	306
Winzer	235
Wisbar, H.	205
Wislicki, Bogdan	197
Wisniewska, Barbara	73
Wittig, G.	190
Wittwer, W.	237
Wojciechowska, Urszula	61, 62
Wolde, H. J.	52
Woldring, M. G.	192
Wolf, S.	53
Wolowczyk, Arkadiusz	62
Worfel, H.	55
Wu, Chieh-min	137
Wukolow, W.	86
Wunning, J.	191
Wunsch	307
Wyderko, Adam	72

- Y -

Yadov, V.	33
Yaffe, Doba	108
Yagunova, V. A.	182
Yakovkin, A. A.	167
Yakovlev, G. N.	253
Yakubovich, A. Ya.	182
Yamaguchi, Akiko	197
Yang, T'ung-Chou	203
Yanovskiy, V. Ya.	25
Yantovskiy, Ye. I.	326
Yarnykh, V. S.	281
Yaroshevskaya, Ye. N.	284
Yashin, M.	32
Yatsuk, K. P.	331
Yefimov, A.	38

Yegiyani, G. M.	283
Yegorov, A.	31
Yegorov, V.	12
Yekimov, V. V.	245
Yeleonskiy, V. M.	322
Yelinson, M. I.	223
Yemel'yanov, V. S.	313
Yermolov, P. F.	315
Yerokhin, R. A.	263
Yevdokimenko, A.	10
Yevdokimov, K. Ye.	253
Yevseyev, P. K.	251
Yevseyev, S. V.	244
Yevstigneyev, V. P.	203
Yezhek, Ya.	304
Yi, Min-su	130
Yoffe, A. F.	200
Yonezawa, Hideo	115
Yoshio, Sakaue	129
Yuan, Hsien-lu	127
Yudanov, I. G.	253
Yun, D.	18
Yun, Hyung-shik	130
Yurgelanas, V. A.	209
Yus, A.	290

- Z -

Zabolotskiy, V. M.	224
Zaborskiy, S. S.	331
Zadorozhnyy, I.	12
Zaganescu, Fl.	164
Zager, B. A.	315
Zagoryanskaya, E. V.	328
Zagrebin, D. V.	168, 169, 245
Zahalka, Jaroslav	48
Zahorka, Rudolf	198
Zahorski, Stefan	342
Zaidel, A. N.	184
Zairov, K. S.	276
Zajac, Mieczyslaw	63
Zakhariev, Z. A.	291
Zaleski, Jan	72
Zalewski, P.	67
Zamorev, A. A.	248
Zandberg, E. Ya.	322

Zanker, Valentin	195
Zapfe, H.	233
Zarenin, Yu. G.	202
Zaslavskiy, G. M.	333
Zasorin, A. P.	182
Zastrow, E.	230
Zatsepin, S. R.	272
Zavarin, V. A.	25
Zaydel, R. M.	321
Zaytsev, I. A.	24
Zelenka, Jiri	204
Zemskov, Ye. M.	271
Zenevich, L. A.	244
Zenkevich, B. A.	319
Zenkevich, L. A.	254
Zernov, I. Ya.	159
Zharinov, A. A.	334
Zhdanov, D. A.	272
Zhevskin, S. A.	166
Zhigalin, V. F.	3
Zholkovskiy, A. K.	349
Zhongolovich, I. D.	168
Zhukov, Dmitriy	218
Zhukov, M. F.	333
Zhuravlev, A. I.	180
Zhuravlev, Yu. I.	352
Zhutautas, N. V.	223
Ziemkiewicz	63
Zima, V.	204
Zimanas, G.	41
Zimin, E. P.	326
Zinkovsky, Karel	56
Ziolkowski, Zbigniew	71
Zlepko, V. F.	304
Zolotorevskaya, I. A.	352
Zolotukhin, N. M.	217
Zotov, D.	16
Zotov, V. P.	3
Zotsenko, L. N.	175
Zubkov, B.	290
Zuczkiewscz, Stanislaw	61
Zusman, L.	19
Zviyagin, P. Z.	27
Zvyagin, P. Z.	221
Zwass, Adam	73
Zykov, A. I.	218
Zyryanov, V. M.	322

\*\*\*

UNCLASSIFIED  
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

UNCLASSIFIED



## Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0834505	78-03109A	49	1	1	36	Consolidated Translation Survey For December 1960	12/1/1960	240	Approved For Release	3/25/2004
AD0834506	78-03109A	49	1	2	37	Consolidated Translation Survey For January 1961	1/1/1961	318	Approved For Release	3/25/2004
AD0834340	78-03109A	49	1	3	38	Consolidated Translation Survey For February 1961	2/1/1961	363	Approved For Release	3/25/2004
AD0834341	78-03109A	49	1	4	39	Consolidated Translation Survey For March 1961	3/1/1961	206	Approved For Release	3/25/2004
AD0834342	78-03109A	49	1	5	40	Consolidated Translation Survey For April 1961	4/1/1961	411	Approved For Release	3/25/2004
AD0834343	78-03109A	49	1	6	41	Consolidated Translation Survey For May 1961	5/1/1961	327	Sanitized	3/25/2004
AD0834344	78-03109A	49	1	7	42	Consolidated Translation Survey For June 1961	6/1/1961	364	Approved For Release	3/25/2004
AD0834345	78-03109A	49	1	8	43	Consolidated Translation Survey For July 1961	7/1/1961	303	Approved For Release	3/25/2004
AD0834346	78-03109A	50	1	1	44	Consolidated Translation Survey For August 1961	8/1/1961	349	Approved For Release	3/25/2004
AD0834347	78-03109A	50	1	2	45	Consolidated Translation Survey For September 1961	9/1/1961	299	Approved For Release	3/25/2004
AD0834348	78-03109A	50	1	3	46	Consolidated Translation Survey For October 1961	10/1/1961	252	Approved For Release	3/25/2004
AD0834349	78-03109A	50	1	4	47	Consolidated Translation Survey For November 1961	11/1/1961	285	Approved For Release	3/25/2004
AD0834350	78-03109A	50	1	5	48	Consolidated Translation Survey For December 1961	12/1/1961	362	Approved For Release	3/25/2004
AD0834351	78-03109A	50	1	6	49	Consolidated Translation Survey For January 1962	1/1/1962	341	Approved For Release	3/25/2004
AD0834352	78-03109A	50	1	7	50	Consolidated Translation Survey For February 1962	2/1/1962	323	Approved For Release	3/25/2004
AD0834353	78-03109A	51	1	1	51	Consolidated Translation Survey For March 1962	3/1/1962	401	Approved For Release	3/25/2004
AD0834354	78-03109A	51	1	2	52	Consolidated Translation Survey For April 1962	4/1/1962	423	Approved For Release	3/25/2004
AD0834355	78-03109A	51	1	3	53	Consolidated Translation Survey For May 1962	5/1/1962	387	Approved For Release	3/25/2004
AD0834356	78-03109A	51	1	4	54	Consolidated Translation Survey For June 1962	6/1/1962	391	Approved For Release	3/25/2004
AD0834357	78-03109A	51	1	5	55	Consolidated Translation Survey For July 1962	7/1/1962	396	Approved For Release	3/25/2004
AD0834358	78-03109A	51	1	6	56	Consolidated Translation Survey For August 1962	8/1/1962	475	Approved For Release	3/25/2004
AD0834359	78-03109A	52	1	1	57	Consolidated Translation Survey For September 1962	9/1/1962	245	Approved For Release	3/25/2004
AD0834360	78-03109A	52	1	2	58	Consolidated Translation Survey For October 1962	10/1/1962	228	Approved For Release	3/25/2004
AD0834361	78-03109A	52	1	3	59	Consolidated Translation Survey For November 1962	11/1/1962	274	Approved For Release	3/25/2004
AD0834362	78-03109A	52	1	4	60	Consolidated Translation Survey For December 1962	12/1/1962	265	Approved For Release	3/25/2004
AD0834363	78-03109A	52	1	5	61	Consolidated Translation Survey For January 1963	1/1/1963	270	Approved For Release	3/25/2004